CB® MAGAZINE

JUNE, 1975
$1.00

The "Citizens Band" Magazine serving the user of two-way radio.

Antenna Specialists' "Range Riders" — A New Breed Of Mobile Antennas

- **CB AIDS MISSOURI PATROL**
- **CB AND BOATING SAFETY**
- **MAY DAY! MAY DAY!**
- **UNDERSTANDING CB SPECS**
- **CB TO POLICE: "HELP COMING"**
- **TRUCKERS' CORNER**

STALLED CARS

ROAD HAZARDS

FLAT TIRES

OUT OF GAS

BOAT ACCIDENTS

ROAD ACCIDENTS

TRUCK OR R-V

CARAVANS

ROUTING INSTRUCTIONS

HIGHWAY INFORMATION

Lafayette Micro 923—YOU NEED IT WHEN YOU TRAVEL!

Deluxe mobile unit transmits and receives on all 23 CB Channels PLUS separate built-in communicator MONITORS Channel 9 with flashing light to indicate emergency calls. Simply push the emergency switch to *communicate automatically* on Channel 9. Has dual-conversion receiver, 455 kHz ceramic filter, "Range Boost" for more effective talk power, volume and squelch controls, lighted channel selector. Tuned RF stages, AGC and ANL for both receiver sections. Full 5-watt power on all 23 CB channels. With plug-in dynamic microphone, mobile mounting bracket, ALL CRYSTALS. 8⅜ x 6¼ x 2″. For 12 VDC positive or negative ground. FCC Type Accepted. **Write for FREE Catalog**

Lafayette **The Electronics Shopping Center**

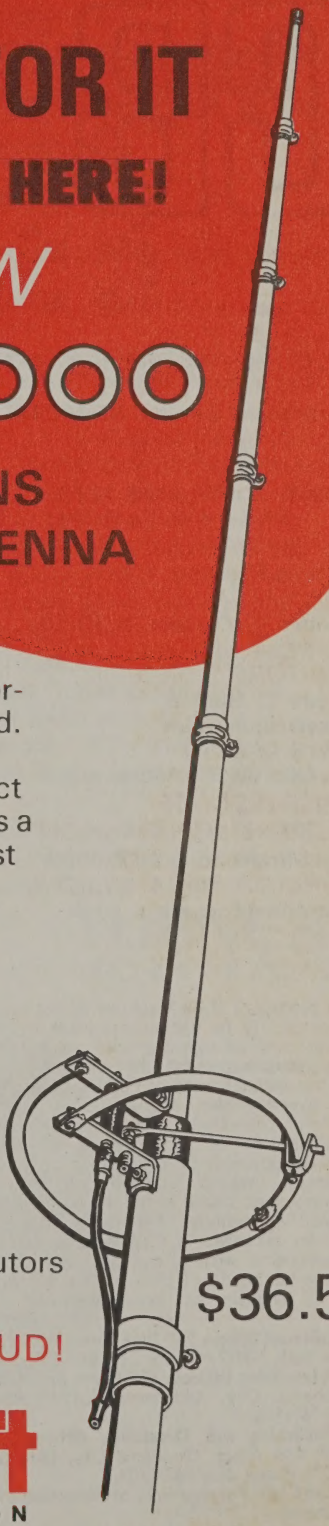
For FREE Catalog, write to: LAFAYETTE RADIO ELECTRONICS CORP., Dept. 31065
111 Jericho Turnpike, Syosset, New York 11791 • Stores Coast to Coast

YOU ASKED FOR IT

NOW IT'S HERE!

NEW CX-1000

3.75 dB GAIN CITIZENS BAND BASE ANTENNA



We've answered your call for a superior performing antenna for either AM or Sideband. This omnidirectional Citizens Band Base Antenna has coaxial stub system for perfect match and low ohmic losses. CX-1000 uses a 52 ohm coaxial feed cable and fits any mast up to 1-3/8" diameter.

- heavy gage bright finish aluminum tubing
- corrosion-proof fasteners
- low angle of radiation
- better all-around coverage
- quick and easy assembly
- qualifies for 60' height

Cushcraft products are stocked by distributors throughout the world.

$36.50

IT LISTENS BIG AND TALKS LOUD!

cushcraft CORPORATION

621 HAYWARD ST., MANCHESTER, N.H. 03103

CB

VOLUME 12/ NUMBER 5/ JUNE, 1975
THE NATION'S NUMBER ONE
CITIZENS BAND PUBLICATION
SERVING TWO-WAY RADIO

PUBLISHER
C. E. Lunn, KCT-4486, KAA-7731
EXECUTIVE DIRECTOR
Bransford Carney, KEW-2445
EDITORIAL STAFF
EDITOR
Leo G. Sands, KDQ-1212
KAA-7862 (Ex W7PH)
MANAGING EDITOR
Nancy Flipping
TECHNICAL EDITOR
Elmer C. Carlson, KOD-1752
SPECIAL ASSIGNMENTS EDITORS
Gene C. Hughes
Fred Shunaman
Cyril C. Miller
Lucille de St. Andre
BUSINESS STAFF
ADVERTISING MANAGER
Ed Minderman, KCR-4608
CIRCULATION MANAGER
Pauline Morgan

TABLE OF CONTENTS

CB An Aid
To Missouri Highway Patrol . . . . . Page 18
May Day!May Day! 24
Call KFP-2179 In Indiana 24
CB Radio and Boating Safety 26
Understanding CB Specs (Part 2) 34
Truckers' Corner 50
REACTions From The Golden Gate 52
Now Hear This 58

DEPARTMENTS:

Letters To
The Editor . . . . . Page 4
Questions
and Answers 12
CB Scope 38
CB News . . . . . Page 42
Subscription
Order Form 54
Classified
Advertising 62

The publishers of CB Magazine do not assume responsibility for statements made by their advertisers. All signed articles and letters to the editor represent the opinions of the writers and not those of CB Magazine. It will be assumed that all unsolicited editorial material submitted to CB Magazine may be published by CB Magazine, at its option, without payment to the author or sender. Authors seeking payment for editorial contributions should query the editor before submitting material. Permission to reprint articles published in CB Magazine must be requested in writing, and such articles may not be reprinted until after written permission by CB Magazine has been granted.

ABOUT THE COVER

Antenna Specialists' New Breed of Mobile Antennas — The "Range Riders' . . . . . **Page 14**

Member
Audit Bureau of
Circulations

Editorial Office: 250 Park Ave., New York, New York 10017. Phone 212/ 986-6596.
Advertising Offices: 531 North Ann Arbor, Oklahoma City, Oklahoma 73127. Phone 405/ 947-5731.
Publishing and Circulation Offices: 531 North Ann Arbor, Oklahoma City, Oklahoma 73127. Phone 405/ 947-5731.
Second Class Postage Paid at Oklahoma City, Oklahoma.

Subscription rate: In The United States: $8.00 per year; 2 years $15.00; 3 years $21.00. Other countries, $9.00 per year. Single copies available from Publisher at $1.50 each, or, $1.00 per copy from your local electronics store.

CB Magazine (trademark registered in the United States Patent Office) is published monthly by Publishing Industries, Inc., 531 North Ann Arbor, Oklahoma City, Oklahoma, 73127. Phone 405/ 947-5731. ®1975 by Publishing Industries, Inc. All rights reserved. Reproduction in any manner in whole or part in English or other languages prohibited. Printed in U.S.A.

POSTMASTER: SEND FORM 3579 TO: CB MAGAZINE, 531 NORTH ANN ARBOR, OKLAHOMA CITY, OKLAHOMA 73127

"First he thought it was his set, then he got a Turner Super Sidekick"

Last year, you were hearing about a new Turner mike, the Super Sidekick. About how the two gain controls give you as much or as little gain as you need for full signal modulation. About how you can use the Super Sidekick with an AM tube set or, with equal success, SSB on a transistorized rig. And about how the dynamic element clearly gives your signal plenty of punch.

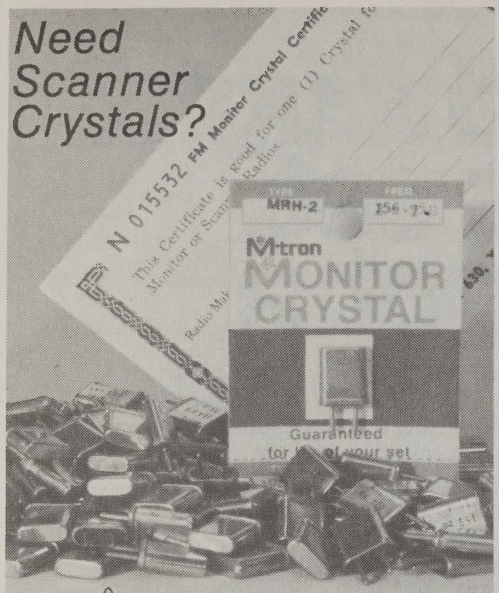
This year, thousands of CBers have Turner Super Sidekicks on all kinds of base sets. And it's doing great things for them. How do we know? Because they're telling us about it!

Turner Microphones, 909 17th St. N.E. Cedar Rapids, Iowa 52402, and our many happy Super Sidekick dealers.

TURNER
MICROPHONES

$85 list and worth it

CONRAC
CORPORATION



M-tron
Makes it Easy

Making crystals easy to get and easy to sell has made M-tron the nation's largest manufacturer of monitor crystals. Order three ways for fast delivery:

1. BULK—from an in-depth inventory of popular frequencies.
2. CARDS — skin-packed for extra convenience in handling and inventory.
3. CERTIFICATES — the effortless way to handle any frequency requirement.

Regardless of which method you use, you're assured of satisfaction. M-tron Crystals are guaranteed for the life of the set in which they're used. Order today from your M-tron representative or write:

M-tron INDUSTRIES, INC.
120 Douglas St., Yankton, S.D. 57078

Letters to the editor

Ray Newhall, KBT-4803
South Norwalk, Ct.

Veteran CBers and motorists, alike, heartily welcome your "Tijuana Taxis" as mobile participants in our group (e.g. CB Magazine's poll of reader opinion). In most states, your motives in monitoring CB are totally in concert with the needs of all of us who use the "Green Stamp". We need direct communication with the emergency agencies and enforcement authorities, instead of the 'sometimes-present' reliance upon third-party base stations to relay emergency situations to authorities.

However, you serve the public better (and you lighten your own monitoring load) when you monitor the federally-approved emergency frequency, Channel 9, instead of the "trucker's channel" (channel 10, in most parts of the country). Almost to a person, all "citizens banders" can transmit and receive on Channel 9. If you are listening there, we know that your purpose for being there is to serve the public. When you monitor Channel 10, we sometimes suspect that your true purpose is surveillance, rather than service. It would help if you made your presence known on the channel.

We want to cooperate. Please make it easier for us . . . Let's get together.

Richard Piehl KEY-9597
St. Louis, MO

I am writing this for the information of R.N., KFK-5726, Canoga Park, CA (December issue of CB Magazine). First I just glanced at it. Then, the more I thought about it, the more ideas I got. The first idea is to put a 102" bumper mount on the front bumper and a gutter clip-down for low city garaging without the camper. The next idea is to put a no-hole truck mount along the edge of the hood. The final idea is to use a magnetic mount on the top of the cab in the city and on the hood of the truck in the "back country". With this method, it could also be kept out of sticky fingers by putting it inside the truck when not in use.

Continued on Page 6 . . .

REDUCE TVI
Our antenna tuner improves operating efficiency and provides impressive TVI reduction. Write for details!

KUHN ELECTRONIC PRODUCTS CO.
1801 Mills Ave., Norwood, Ohio 45212

The Starduster
Model M-400 omnidirectional CB base antenna.
Antenna Specialists has reached the outer limit on omnidirectional CB base antenna performance.

33.2% greater gain than any previous omnidirectional CB phase antenna; **5.0 dB** gain over ground plane (**6.85 dB** over isotropic source).

Design breakthrough—**reduces angle of radiation,** puts more usable signal at horizon. All elements are active—the ideal half-wave dipole, full-aperture design.

Totally waterproof, weatherproof feed points.

Power handling capability provides **500 to 1 safety factor.**

100 MPH plus wind loading factor.

Seamless aircraft aluminum tubing—antenna weighs **only 3½ lbs.**

"Wing span" less than 6 feet—extremely compact.

Machined, polished die cast hub for accurate fit, long life. Accepts 1″ threaded pipe or 1¼″ steel antenna mast.

Beautifully simple to install. Compact . . . weighs only 3½ lbs. . . . requires only pliers and screwdriver.

the antenna specialists co.

®"Stripes of Quality"

Division of ORION INDUSTRIES, INC.
12435 Euclid Avenue, Cleveland, Ohio 44106
Export: 2200 Shames Dr., Westbury, L.I., New York 11590
Canada: A.C. Simmonds & Sons, Ltd.

Letters To The Editor . . .

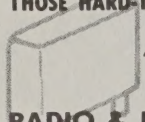
Steven C. Sedlis, [KFV-2256] Director
Massachusetts Safety Patrol
P.O. Box 2, Cochituate MA 01778

In response to a few inquiries from readers concerning various controversial issues connected with the use of citizens band radio, I would like to make the following points.

1. Those who suggest different channels for truckers should be reminded that FCC rules state that only channels 10-15 and 23 can be used for station-to-station conversing under different call signs. ANY channel, including channel 9, can be used as an emergency channel, during which time of declared emergency, those CBers talking on the channel must back off and let the emergency traffic through uninterrupted.
2. By law, state police equipped with CB in the cruiser or base, cannot make an arrest on the basis of CB radio violation, unless the radio was used in the actual commission of a crime. This is where FCC enforcement comes in. Keep in mind that all radio-equipped police and municipal agencies get their licenses from the same place you and I do — the FCC. They are just as vulnerable to enforcement as any other licensed radio operator.
3. Many readers complain about the lack of FCC enforcement in their area. The FCC, at the moment, is very low in manpower strength, and until Congress assigns more men, the FCC must set up priorities. These include hams, marine, commercial broadcasting, television programming, and the like. CB is fairly far down on the list. However, if enough people are brought together to complain about one situation, the FCC will take notice.
4. The Spanish-speaking people on channel 9 may not be only skip. The country of Panama has decreed by law that only one CB channel can be used by its people. These people, for the most part, have chosen 9. If you listen carefully, you may hear them trying to hail the United States . . .
5. I remind those public service organizations who claim special permits for use of channel 9 or a large number of units, that the FCC issues no special channel usage permits, indeed, no permits of any kind, except for permission to license a large number of units after a show of (a) membership lists, and (b) charter or rules which show that FCC Rules and Regulations will be in force during organizational activities.

Continued on Page 8 . . .

THOSE HARD-TO-GET CB CRYSTALS

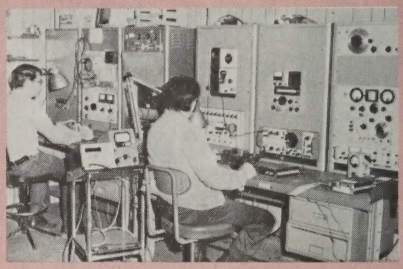


Special frequency crystals "In Stock" for most CB radios — Call or Write Today:

CB RADIO & EQUIPMENT SALES
Dept. NM1-1307 Sereno Drive, Vallejo, CA 94590. 707/644-9174

WANTED

C.B. DEALERS
$$ REWARD $$
THE BEST SELLING C.B. RADIO ON THE MARKET
E.F. JOHNSON C.B. RADIOS!



OUR SERVICE SHOP
ONE OF THE BEST IN THE COUNTRY

- WE SERVICE E.F. JOHNSON C.B. RADIOS EXCLUSIVELY.
- ONE YEAR WARRANTY ON PARTS AND LABOR.
- SEND YOUR JOHNSON RADIOS TO US FOR QUICK SERVICE.
- SEND FOR OUR DEALER CATALOGUE & PRICE SHEET.

ELECTRONIC SUPPLY CO.
3214 SOUTH 169 HIGHWAY
SAINT JOSEPH, MISSOURI 64503
816-279-5601

This is the actual size of a Brownie

. . . don't let its small size fool you — it's BIG in performance!

Imagine a mobile less than 2" high x 5½" wide and only 6½" deep—then add features such as a series-gate automatic noise limiter (ANL) and high level class B modulation! Like all Browning mobiles, the Brownie is undeterred by rugged terrain or extreme weather conditions—it will, in fact, operate faithfully at winter temperatures to −25°F. or desert conditions of 125°F. While the Brownie's features mean big performance, ***this remarkably engineered little package has been designed with a price tag to match its elf-like size . . . only $139.95!***

All Browning products are FCC Type Accepted

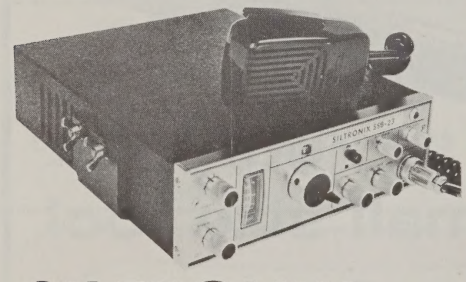
Visit your local dealer or write direct for your copy of our 1975 catalog containing full color photos and complete specifications of the Brownie—plus our Golden Eagle base station and other mobile models.

browning® laboratories inc.

1269 UNION AVENUE
LACONIA, NEW HAMPSHIRE 03246
TELEPHONE (603) 524-5454

For The Best In SSB CB & Amateur Gear

NEW *Palomar*
SKIPPER 73
ONLY $395.00
AND OTHER FINE PRODUCTS



SILTRONIX
SSB-23 *Available NOW*

Call 914/268-9258 for immediate delivery!

NOW IN OUR NEW LOCATION . . . . .

Palomar EAST LTD.
Palomar Plaza-Box 148, Congers, NY 10920

ALL MAJOR BRANDS TWO-WAY RADIO COMMUNICATIONS!

Palomar **EAST LTD.**
Palomar Plaza-Box 148, Congers, NY 10920
Please send me a copy of your latest catalog!
NAME _____
ADDRESS _____
CITY _____ STATE ____ ZIP _____
TELEPHONE ____/_____
Interested Dealers Enclose Business Card for FREE BONUS OFFER!

Letters To The Editor . . .

6. Even though I sound like a lawbook freak, I too would like to see some of the rules in Part 95 amended. CB seems to be the world's biggest party line, and the use of call signs is becoming cumbersome and almost non-existent in some areas. It sounds good on the broadcast band to hear those fancy station ID jingles, but not even many police stations use their required call signs. The use of handles appears to be working out well, primarily due to their easily remembered characteristics; I can remember a guy's name better than his license number.

I look forward to each issue of CB magazine sent, and will rest, with Plus-3 in hand, to eagerly await reader comment.

Dr. James H. Kleckner KEU-0180
San Diego, Calif.

As a boat owner who has both VHF/FM and CB radios on his boat, I support your stand on Coast Guard monitoring of a CB emergency channel. My boat cruises around this city's two bays and occasionally goes about 2-4 miles off-shore. I am never out of poorly tuned walkie-talkie range of the local CG station and police marine division. For those offshore fishermen who go out 10-20 miles, the VHF/FM is a safety necessity. However, for the thousands of local boaters here who really do stay "local" — and who do it year round — emergency communication becomes a matter of spending 400-500 dollars or risking your life on no radio at all.

I decided by life was worth the $500 it cost me to purchase a VHF marine radio and have it checked and installed, but it should not have been necessary for me to spend that insane amount. My extra CB set went into the boat with little difficulty, and for the price of a marine CB antenna I can be heard all over San Diego including the Coast Guard station if they invested in a CB rig and antenna. No question but that the bright thing would be for the CG to monitor Channel 9. No question but that they're not going to. Why let common sense stand in the way of bureaucracy?

R.L.S. Safford,
Miami, FL

In your editorial in the February issue of CB Magazine, you advocate that the Coast Guard monitor a CB channel as an aid to distressed boaters. Although our government can, for example, spend $156 million to dredge out the Suez Canal, owned by a foreign nation, do you think for one minute some money will be spent for our own convenience to save a few of our lives?

SBE CB Radios
SBE Warranty Service Station
If you purchased a CB radio from someone else, you paid too much! See us for best deals!
BOB'S ELECTRONICS
2305 North Pennsylvania, Oklahoma City, OK 73107
Telephone 405/ 525-5069

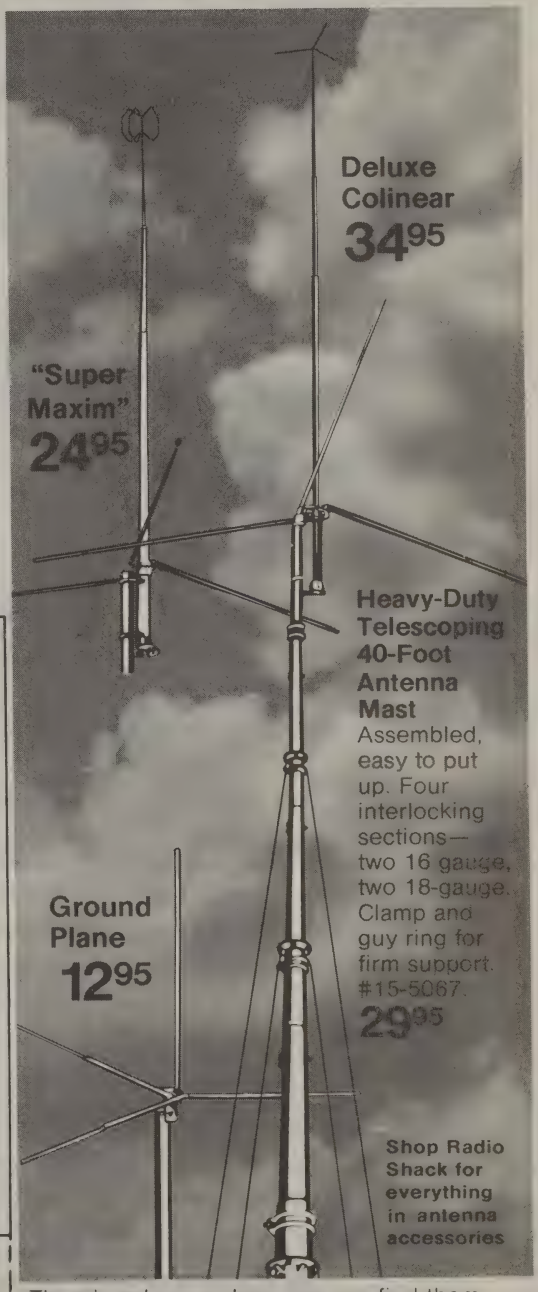
Radio Shack announces new heights in Archer® antennas!

Archer Deluxe Colinear. 4 dB gain and low radiation angle—the one for maximum omnidirectional CB range. 19-ft., 10-in. 5/8-wave radiator. Static dissipator. Fits masts to 1 5/8″dia. #21-1133.

Archer "Super Maxim." More gain (3.75 dB) than many high-priced omni's. 5-section seamless aluminum radiator, half-wave 52″radials, static dissipating hex loops, 1.25-to-1 VSWR. Fits masts to 1 5/8″dia. #21-902.

Archer Ground Plane. The low-priced omni with the mostest. All tubular aluminum elements, quarter wave radiator, 108" quarter wave radials, static discharge protector. Fits masts to 1 5/8″dia. #21-901.

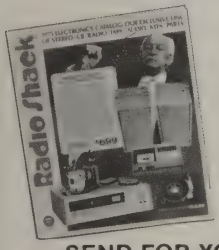
New FCC rules allow your omnidirectional CB antenna to be 60 ft. above ground—triple the old limit! Take advantage of these amended rules to upgrade your antenna. (Part 95, Sections 95.3 & 95.37C.)


Deluxe Colinear
34.95
"Super Maxim"
24.95
Heavy-Duty Telescoping 40-Foot Antenna Mast
Assembled, easy to put up. Four interlocking sections—two 16 gauge, two 18-gauge. Clamp and guy ring for firm support. #15-5067.
29.95
Ground Plane
12.95
Shop Radio Shack for everything in antenna accessories

FREE New 1975 Radio Shack Catalog

OVER 2000 PRODUCTS
BEAUTIFUL FULL COLOR

Stereo • Quadraphonic • Phonographs
TV Antennas • Radios • Citizens Band
Kits • Recorders • Tape • Tools
Auto Tune-Up • Electronic Parts
Test Instruments • More!



164 pages of the best in home and hobby electronics. Respected names like Realistic, Micronta, Archer, Science Fair — and they're available only at Radio Shack stores and dealers. See what's *really* new in electronics.

SEND FOR YOURS TODAY!
FILL OUT COUPON BELOW

1975 Catalog — Mail to Radio Shack, P. O. Box 1052, Ft. Worth, Texas 76101. (Please Print.) — 531

Name _____ Apt. No. _____
Street _____
City _____
State _____ ZIP [ ][ ][ ][ ][ ]

There's only one place you can find them . . .

Radio Shack®
A TANDY CORPORATION COMPANY
3000 STORES • 50 STATES • 7 COUNTRIES
Retail prices may vary at individual stores

Been walked on lately?

New! Gemtronics Marine Quality CB Transceivers.

Worry no longer about being kept on the side by other transceivers. Relax, take your shoes off and experience wall-to-wall power with this new line of Gemtronics CB Radios.

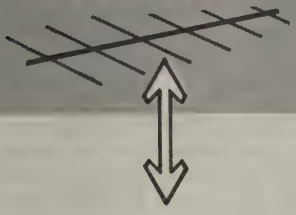
Three units . . . to fit three equipment needs . . . at three price ranges. All give you an excellent quality/value relationship.

Talk to users of Gemtronics equipment . . . then talk to your Gemtronics dealer.

GEMTRONICS

Division of Gem Marine Products, Inc.
Box 1408/Lake City, SC 29560
(803) 394-3565

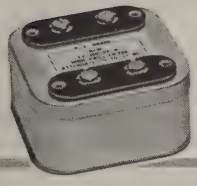
DRAKE Directional RF Wattmeters



Directional, through line, highly accurate wattmeters • Continuous monitoring of antenna performance and either forward or reflected power • Indirectly measure radiated power (forward minus reflected) and VSWR using nomogram included • Use to adjust antenna resonance and impedance match • Removable coupler

Specifications		W-4	WV-4
Frequency Coverage		1.8-54 MHz	20-200 MHz
Power Capability (cont. duty)	Hi Range	2000 W	1000 W
	Lo Range	1000 W	100 W
Accuracy of Reading		± (5% + 1% of full scale)	
Line Impedance		50 Ohm resistive	
VSWR Insertion		no more than 1.05:1	
Size		14.0 x 9.5 x 10.2 cm	

TVI MAY BE ELIMINATED WITH THESE DRAKE FILTERS



TV-300-HP High Pass Filter

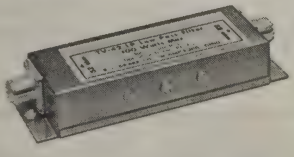
provides more than 40 dB attenuation at 52 MHz and lower. Protects the TV set from amateur transmitters 6 thru 160 meters.

Drake Amateur Low Pass Filters

. . .have four pi sections for sharp cut-off between 6 meters and channel 2, and to attenuate xmtr harmonics falling in any TV channel and the FM band. 52-ohm.

TV-1000-LP

rated 1000 watts input, 200 watts on 6 meters. SO-239 connectors built-in.



TV-42-LP

is a four section filter designed with 43.2 MHz cut-off and extremely high attenuation in all TV channels for citizens band and other transmitters 30 MHz and lower. Rated 100 watts input. SO-239 connectors built-in.

R. L. DRAKE COMPANY DRAKE®

540 Richard Street, Miamisburg, Ohio 45342 • Phone (513) 866-2421 • Telex 288-017

questions and answers

While we would like to do so, CB Magazine can no longer reply to questions by mail because of the large number of questions received. The most interesting questions and their answers will be published in the magazine about three months after their receipt. Send questions to CB Magazine, Editorial Offices, 250 Park Avenue, New York, N.Y. 10017, not to the Oklahoma City publishing offices.

OFFICIAL APCO "10-SIGNALS"

'Ten-signals", in use by the Associated Public Safety Communications Officers, Inc., have been condensed into the following 34 signals. This is the result of efforts by all radio services to achieve a uniform 10-code. We recommend its use by all CBers!

10-1 —Signal Weak
10-2 —Signal Good
10-3 —Stop transmitting
10-4 —Affirmative (OK)
10-5 —Relay (To)
10-6 —Busy
10-7 —Out of Service
10-8 —In Service
10-9 —Say Again
10-10—Negative
10-11— On Duty
10-12—Stand By (Stop)
10-13—Existing Conditions
10-14—Message/ Information
10-15—Message Delivered
10-16—Reply to Message
10-17—Enroute
10-18—Urgent
10-19—(In) Contact
10-20—Location
10-21—(Call ( ) by Phone
10-22—Disregard
10-23—Arrived at Scene
10-24—Assignment Completed
10-25—Report to (Meet)
10-26—Estimated Arrival Time
10-27—License/ Permit Information
10-28—Ownership Information
10-29—Records Check
10-30—Danger/ Caution
10-31—Pick Up
10-32—Units Needed
Specify/ Number/ Type
10-33—Help Me Quick
10-34—Time

Q. In regard to police use of CB radio, I would certainly advise it. I am at a loss to understand why the FCC doesn't get out here and do the job it is being paid for and put a stop to Federal law breaking. Since the FCC is not doing its job, take their people off the payroll. Where is the FCC?
No Name
U.S. Postal Service
NE 688

A. Since you didn't identify yourself, we were ready to throw your letter into the round file. But, we decided to acknowledge it because we want to remind our valued readers that they should always identify themselves and stand up to be counted. Anyone not wanting his or her name and/or address published can request same and we will abide. Since we explained why over and over again, we will not continue to answer questions about FCC rules enforcement efforts. It is not the fault of FCC personnel. If Congress doesn't allocate enough money, the FCC can't hire enough people to control the activities of millions of licensed and unlicensed CBers. The cost would be staggering. But, the FCC is taking a "raid" approach, hitting one area after the other. The band sure gets quiet after an FCC raid. Many of those who continue to violate the rules will lose their licenses, have their equipment confiscated, be fined or wind up in the slammer.

Q. On page 56 of your December issue you pictured a CB antenna on the frame of a golf umbrella that was used to beam a walkie-talkie message to a satellite 50,000 miles away. Are directions for the construction of this antenna available?
G. G. R.
Winston-Salem, NC

A. It wasn't a CB walkie-talkie. [Communicating with a station 50,000 miles away would have been a CB rule violation.] But such an antenna could be built for use with a CB walkie-talkie. All that is needed is a gutter-clamp or similar loaded CB antenna attached to the umbrella frame which serves as a ground plane.

Q. Please give me the necessary information in regard to having a U.S. Coast Guard emergency coastal radio station. I live on the water and could be useful in case of emergency.
C.W.M., KDL-4843
East Rockaway, NY

A. The Coast Guard operates its own coast stations. But, you can monitor a CB channel for boating emergencies and call the Coast Guard by landline if its help is needed.

Continued on Page 16 . . .

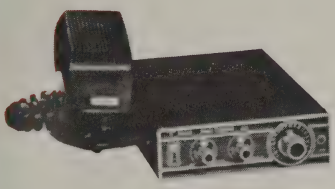
CB
wanted Citizens Band
DEALER-DISTRIBUTORS
Send this ad with Letterhead to:
PAL ELECTRONICS CO.
2962 W. WELDON - PHOENIX, ARIZ. 85017

You've seen the rest - - -

Now try the BEST!

~~3~~6 GOOD REASONS

WHY EVERYONE IS MOVING UP TO TEABERRY



"T" SCOUT
MOBILE

"FIVE BY FIVE"
MOBILE

MODEL "T"
TUBE BASE

"T" CONTROL
BASE/MOBILE

BIG "T"
BASE/MOBILE

"T" CHARLIE ONE
MOBILE

TEABERRY ELECTRONICS

4655 Massachusetts Avenue
Indianapolis, Indiana 46218
Telephone (317) 545-1201

The "Range Riders"

A NEW BREED FROM ANTENNA SPECIALISTS

Nicknamed "RANGE RIDERS" because of their lean looks and rugged construction, these new antennas from The Antenna Specialists Company represent a totally new concept in center-loaded CB antenna design. Included is a major breakthrough in the method of tuning, which solves the previous drawbacks of obtaining maximum performance with center-loaded antennas.

"SUPER STATIC BALL" TUNING

To assure the maximum in performance antennas should be tuned when installed on vehicle. Previously, with center-loaded designs, this required a "cut and try" method of trimming the whip length. The only problem is that if you trim too far, or switch vehicles, you're in trouble. Now A/S engineers have developed an ingenious method of tuning which solves all that. A "Super Static Ball" operates as a capacity hat near the antenna tip and allows fine tuning by simply sliding the static ball up or down on the mast. It is then secured with an Allen set screw to hold the adjustment. It's a fantastic feature for those who switch vehicles often, like many over-the-road truckers!

PROVED IN TRUCK TESTS

There's almost nothing that will punish a CB antenna like one of those big over-the-road "18-wheelers". With the vibration, shock, and severe wind turbulance it's just about the ultimate test, so A/S engineers choose the dual mirror-mount truck version of the RANGE RIDERS for field testing.

A field testing station was established and volunteer long-haul truckers put the "Minnie-Momma" twin RANGE RIDERS through a grueling test lasting many months. Only after they were proven in these tests was the final go-ahead given for production of the new line.

The waterproof center-loaded coil is pressure molded with active elements into a rugged single shaft.

SECRETS OF RELIABILITY

One of the secrets of why these new antennas can withstand incredibly tough conditions is their one-piece coil assembly. The heavy-wire coil and active whip elements are pressure molded into a single vibration resistant shaft. The coil remains completely waterproof to prevent detuning or shorting, and its heavy duty construction makes it run cool for reliable performance.

"Range Riders" static ball adjusts for maximum performance. No cutting required; Allen set-screw adjustment.

There are models with mounting hardware for virtually every type vehicle . . . including special West Coast and rain gutter mounts for heavy duty trucks.

Another reason for the exceptional reliability is the mounting hardware which has been specially designed for the environments encountered on all types of vehicles from trucks to farm machinery. For example, the "Minnie-Momma" twins have a solid aluminum and stainless steel clamp with a grip that holds firm at highway speeds. And despite their holding power, they release in seconds for switching to another vehicle.

7 MODELS FOR ALL TYPES OF VEHICLES!

No matter what type of vehicle you drive or type of installation you prefer, the A/S people seem to have a model just for you. In addition to the twin mirror mount Model M-315 just described, there's also a mirror mount single antenna version (Model M-316), twin gutter clamp "flipper" mount type (Model M-313), and single gutter clamp version (Model MR180). You'll also find a twin trunk groove mount type (Model M-312) that lets you put dual center-loaded antennas to work on your "4-wheeler".

Other models for automobiles include the Model M-310 with the A/S "Quick Grip" no-holes trunk lid mount, and the Model MR130 snap-in mount for rooftop installations. All have the unique RANGE RIDERS features, including the Static Ball tuner and heavy molded center loading coil . . . and trucker or motorist there's bound to be a model here for you.

RANGE RIDER MODELS

All models have pressure molded heavy duty center-loaded coils. Dual antenna models include special phasing harness. All models come complete with coax cable and PL-259 connector. VSWR is rated at 1.5:1 or less.

MODEL	TYPE	WHIP LENGTH
MR130	Single, snap-in roof mount	26"
MR180	Single, rain gutter mount	42"
M-310	Single, "Quick Grip" no holes trunk lid mount	48"
M-312	Dual, trunk groove mount	53"
M-313	Dual, rain gutter mount	42"
M-315	Dual, Hollywood mirror mount	52"
M-316	Single, Hollywood mirror mount	52"

Questions and Answers . . .

Q. I want all info I can get on the HELP program. Refer me to an official who can give me facts about this. I want to start a program and promote it state-wide.
J.H., KCU-7979
Folly Beach, SC
A. The HELP program is now under the jurisdiction of REACT. Write to REACT National Headquarters, 111 E Wacker Dr., Chicago IL 60601.

Q. I am looking for an antenna for a CB rig which can be mounted on an aircraft. I've been toying with the idea of mounting my CB radio in an airplane. Any assistance you can give me in obtaining this information will be greatly appreciated.
G.J.M.,
Bethel, NC
A. The Phelps Dodge 513-509 is designed for this purpose. To get price and delivery information write to Phelps Dodge Communications Company, Route 79, Marlboro, NJ 07746.

Q. I was monitoring CB Channel 10 and was receiving much bleedover from an adjacent channel. I started changing channels to find where the interference was coming from. After a quick check of Channels 11 and 12 I found the problem on Channel 9. The bleedover was coming from stations in Alabama. They identified themselves as Pacer monitor units and with the following call letters: KOM-0672 and KFM-9084 and someone called Bird Dog. The units were talking and giving weather reports, etc., and claimed that the use of Channel 9 for these purposes was FCC legal, as they were monitoring the channel in case an emergency did occur. About this time, a North Carolina station broke in and asked them to please clear the channel until there was a definite emergency. This caused some heated debate and discussion on the part of the Alabama stations as to whether or not this practice was legal. My question is: Is this practice legal or not? If so, why don't the REACT and ALERT teams all get on 9 and why can't anyone use it for these purposes? The point is, in my opinion, that the weather reports may be legal, but the chit-chat is not, regardless of the intent.
E.T.J., Jr.
Mocksville, NC
A. 'tain't legal!

Q. I read your magazine from cover to cover with interest and am learning a lot from it. I find one great void in the CB system, that being that a lot of abbreviations seem commonplace, but no definition of their meanings has ever really been put down in writing for newcomers. Would you consider finding out the meanings of a lot of terms and writing a short article for many of us? I am thinking of the number codes such as: "seventy-thirds", "eighty-eights" and others. The truckers also have a very novel code of their own such as referring to a "movable parking deck", meaning an auto carrier . . . "portable barn yard" meaning a cattle truck . . . and many others of great interest. I recently heard one called a "shanty shaker" and was told it was a short tractor for moving mobile homes. Another highway term I heard was a "double jointed corn flakes box". This turned out to be a C/F tractor with a double trailer. Many of us would like to use the "good numbers upon you" code, but it would be better if we knew what they really mean.
T. D., KGN-6357
Williamsport, PA
A. We have previously published a glossary of CB lingo and will do so again. Also, we have published the new universal APCO 10-code which we plan to repeat every once in a while. It's not "seventy thirds". Instead it is "seventy three" which literally translated means "best regards". And "88" means "love and kisses". Both 73 and 88 were originated by hams.

DEALERS WANTED
FOR COMPLETE LINES BY

TEABERRY	BROWNING
SBE	TRAM
PALOMAR	E.F. JOHNSON
D & A	ANTENNA SPECIALISTS
TURNER	
ASTATIC	NEW-TRONICS
GOLD LINE	HY-GAIN
PACE	MARK
PEARCE-SIMPSON	SHAKESPEARE
MIDLAND	AVANTI
REGENCY	FRANCIS

WHOLESALE ONLY
WRITE ON LETTERHEAD
FOR DEALER PRICE LIST
CAPITOL
ELECTRONICS, INC.
NOW — TWO LOCATIONS:
1907 S. Hydraulic
Wichita, KS 67211
5636 N.W. Expressway
Okla. City, OK 73132
Tel. 405/721-7677

MONITOR CRYSTALS
LIFETIME GUARANTY!
DELIVERY: 12 DAYS OR LESS!
Send Letterhead For Dealer List.
MEDCOM ENTERPRISES
P.O. Box 6232-Lubbock, TX 79413

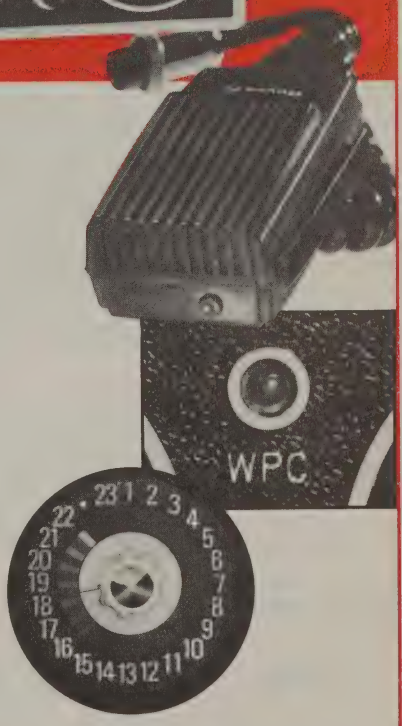
Royce

Listen to the Royce difference!

Automatic channel selection ...Chan-L-Matic* + Mike Gain!

- UNIQUE CHAN-L-MATIC SYSTEM* lets you switch channels, automatically, from a remote switch control on the microphone. Also, switch channels from front panel by pushbutton or standard manual channel selector. A Royce exclusive! No need to ever take your eyes off the road. Greatest safety feature invented for the CB user.
- NEW MIKE GAIN CONTROL lets you adjust modulation capacity.
- UNIQUE WARNTRON PROTECTION CIRCUIT greatly minimizes possible damage to final RF output transistors.
- CONTINUOUS FREQUENCY SELECTION FOR PINPOINT FINE TUNING.
- NOISE FILTERED 3 TIMES BETTER THAN ANL CIRCUITS, with full 3-stage RF noise blanker.
- EASIER-TO-READ, LARGE, CIRCULAR S-RF METER.
- FULLY VARIABLE RECEIVER TONE CONTROL.
- POSITIVE AND NEGATIVE GROUND OPERATION. For the 18 Wheelers.

* Chan-L-Matic is patent pending.

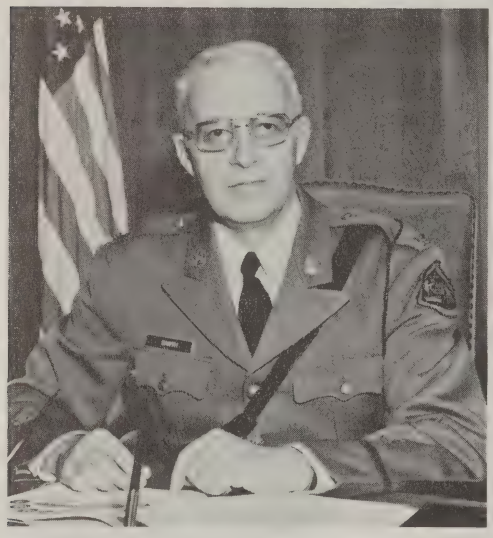


LISTEN TO THE ROYCE DIFFERENCE before you buy any other CB AM transceiver. See Royce's Model 1-606 at your Royce Dealer's today! Suggested Retail Price: $229.95.

Royce electronics corporation

1142 Clay St., North Kansas City, Mo. 64116
CALL: (816) 842-0252 • TELEX: 426-145

CB An Aid To Missouri State Highway Patrol



Colonel S.S. Smith, Superintendant, Missouri State Highway Patrol.

Reports submitted to CB Magazine by Col. Samuel S. Smith, superintendent of the Missouri State Highway Patrol, indicate that the motoring public and truckers are benefitting from the use of CB radio by the patrol. The reports cover the currently limited use of CB by the patrol. Col. Smith and his communications director, Major J. C. Smith, are hoping to get a grant from the U.S. Department of Transportation to cover the cost of equipping all highway patrol cars in the state with CB transceivers.

One report covering 250 CB contacts by the patrol indicates that 40 per cent of those calling or responding were truckers. Of the transmissions, 71 per cent concerned disabled vehicles, highway accidents, reckless and drunk drivers, speeders and vehicles going in the wrong direction on a one-way lane or road. Three transmissions were about cattle rustling and five concerned robbery, burglary and stolen cars. High on the list were reports of animals and pedestrians on the road and the throwing of rocks and debris on the road. There were two reports about nude drivers, four about runaways.

During the same short period, there were ten calls for road information and assistance and seven reports of fires.

(Space does not permit publishing more than excerpts from the report. But, after reading the full report, we agree with Col. Smith that use of CB radio by the Missouri State Highway Patrol is in the public interest — the editors.)

MARDEN QUALITY CRYSTALS
REPLACEMENT CRYSTALS IN STOCK
..For All Synthesized and Regular CB Sets.
Dealers and Distributors Only, Please!
Marden Electronics Co., Inc.
PO Box 3295, Montgomery, AL 36109
Telephone 205/272-4600, Mon. thru Fri.

NEW . . . *announcing* PATENTED FIBERGLASS ANTENNAS

CB-M 5 — A Marine CB Antenna for a fiberglass boat. Electrically it is a double half wave, folded and compressed to about 6 feet. This antenna mounts on a horizontal surface with 3 stainless bolts. Included are a fiberglass base and a fiberglass washer for maximum isolation. Fiery orange. Patented ** 3,596,273.

CB 28 WHEELER DEALER — 3/4 wave length, folded, **trichotomic** 8 foot fiberglass antenna. Fiery orange. Patented * 3,541,567.

another first from FRANCIS INDUSTRIES, PATASKALA, OHIO 43062

THREE PROUD LEADERS

VHF SCANNERS DESIGNED FOR YOU

Comanche 16
VHF Highband/Lowband Combination; 16 Channels—All With Bypass
$199.95*

Cherokee
VHF Highband/Lowband Combination; 8 Channels programable to Highband, Lowband or Bypass
$179.95*

Cheyenne 8
VHF Highband; 8 Channels—All With Bypass
$149.95*

* Suggested List Price

From the mountains, plains, hills and valleys all over America come the electronic smoke signals you want to hear. And from Pearce-Simpson comes a line of VHF scanners that let you hear them. Every unit has not just one but two crystal filters. Every unit has a priority channel, a scan speed selector, a bypass switch for each channel, a trap door for easy crystal installation and operates from 12VDC or 115VAC. And most important, a superior receiver that will hear when others fail, a receiver that can sort out the good signals from the unwanted. Choose from any tribe—Cheyenne, Cherokee or Comanche—and you too will have a proud leader.

For Free Literature Write:

PEARCE-SIMPSON
DIVISION OF GLADDING CORP.
P.O. BOX 800 BISCAYNE ANNEX MIAMI, FLORIDA 33152

Canadian Distributor: Scotcomm Radio Inc., 4643 Levesque Blvd., Chomedey, Laval, Quebec

If you're buying, selling or trading CB equipment you can be an ECHO DISTRIBUTOR

whether you sell out of your bedroom OR a store in downtown manhattan,

Enjoy all the advantages of being an Echo distributor—you'll have more time, profit and most of all "peace of mind" because of a total Distributor Program including FCC Certified Service and Dealer Catalogs, which can be given to your customers.

FILL THIS OUT AND MAIL TODAY

Start a Better Future tomorrow

TO BE AN ECHO DISTRIBUTOR IS TO BE ONBOARD WITH THE LEADER

ECHO DISTRIBUTOR APPLICATION FORM

NAME ..... COMPANY .....

ADDRESS .....

CITY ..... STATE ..... ZIP .....

HOME PHONE ..... A/C .....

COMPANY PHONE ..... A/C .....

DAY AND TIME BEST TO CALL .....

DO YOU HAVE A STORE? ..... IF SO, WHAT HOURS? .....

DO YOU SELL TO DEALERS? .....

DO YOU INTEND TO STOCK RADIOS? .....

HOW DID YOU HEAR OF ECHO FOR A SOURCE OF RADIOS? .....

.....

ARE YOU BUYING FROM OTHER SUPPLIERS AT THIS TIME? .....

THEY ARE .....

HOW MANY PEOPLE WORK FOR YOU? .....

DO YOU HAVE SERVICE FACILITIES? .....

NAME OF BANK .....

ADDRESS ..... CITY ..... STATE .....

IF YOU HAVE EVER TAKEN A PERSONAL LOAN OR FLOOR PLANNED WITH A BANK GIVE FULL NAME AND PERSON YOU TALKED TO

.....

.....

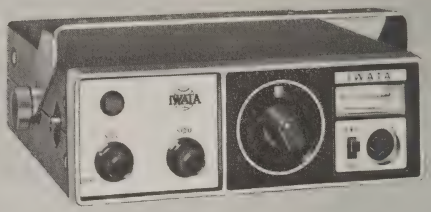
ECHO COMMUNICATIONS, INC.

Echo Plaza, Cedarburg, Wisconsin 53012 • A/C 414-377-5050 • TLX 2-6886

NEW PRODUCTS FROM IWATA!

CB 23-Channel Mobil Transceiver

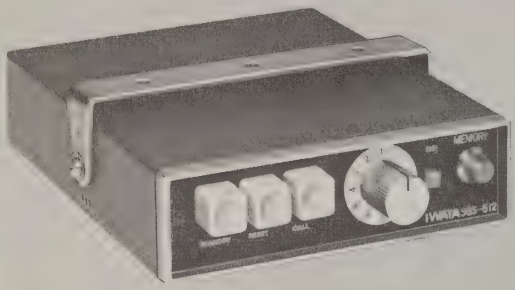
- O Noise Silencer
- O S/RF Meter
- O Ext Speaker
- O Ext PA
- O Connection for Selective Caller
- O Built-in selective caller available at your option

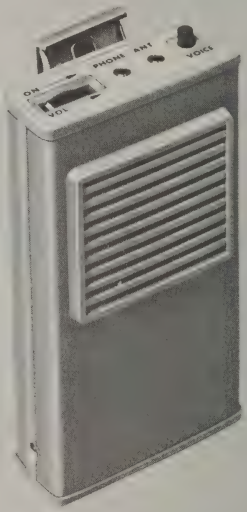


Tone & Voice Paging Receivers

Meet FCC and European specifications

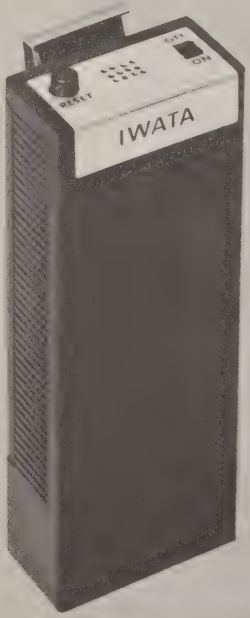
FM VHF 150 MHz
FM UHF 450 MHz





10-Channel Tone Selective Caller

- O Dual-tone Encoder/Decoder minimizes stray signal interference
- O No need for constant channel monitoring
- O A Must for transceiver users



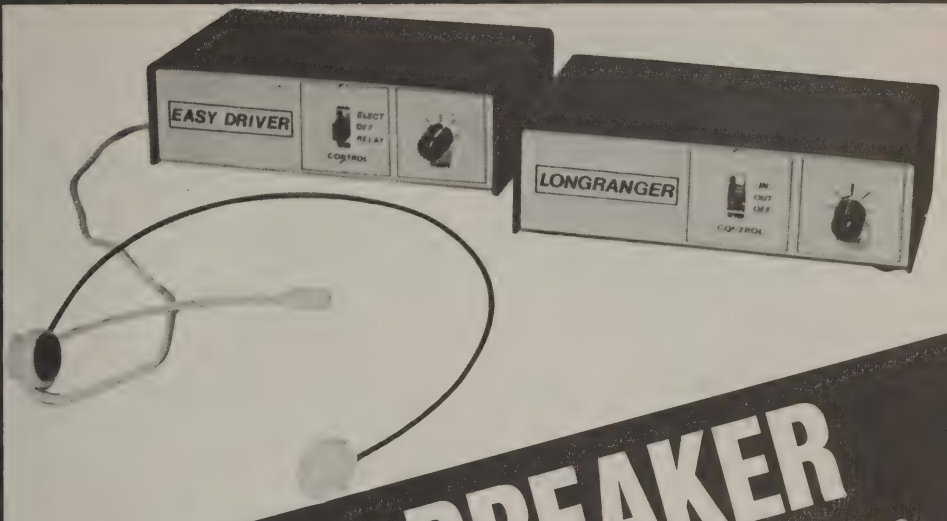
FM VHF 150MHz Mobil Transceiver

Small-Sized Tone Only Paging Receivers

FM VHF 150 MHz
FM UHF 450 MHz
AM HF 27~40MHz
Size: 110 x 22.5 x 42 (mm)

IWATA ELECTRIC CO., LTD

Mansei Bldg. Rm. 36 1-16, 1-Chome
Soto-Kanda, Chiyoda-ku, Tokyo 101, Japan
TLX. J24481 IWATAELC.
TEL. (03)253-2363



"GO" BREAKER

EASY DRIVER $119.95

PLUS HANDLING CHARGES

"18 Wheeler" or Small mobile? Then you need the "EASY DRIVER". Let "EASY DRIVER" open a whole new world of "CB" operation to you. The "EASY DRIVER" is today's answer for safe, convenient, TWO HANDED driving. Check this headline list of "EASY DRIVER" features:

- ★ Operates from 12 VDC.
- ★ High quality noise cancelling Microphone — easy to install
- ★ Two controls for easy operation
- ★ Lightweight headset, only 2 oz.
- ★ Eliminates the inconvenience of the push to talk Microphone while mobile.

GET IN THE DRIVER'S SEAT EASY!

LONGRANGER $49.98

PLUS HANDLING CHARGES

How can you improve the Range and Reliability of your Home "20"? It's E-Z, if you get our new "LONGRANGER". It's FCC legal, and inexpensive. The "LONGRANGER" is the 'best buy' of 1975.

- ★ Suitable for mobile or base stations.
- ★ Small convenient size.
- ★ Rubber feet to prevent scratches — E-Z adjustment.
- ★ Black vinyl cover for attractive appearance.

JOIN THE "LONGRANGER" OR "EASY DRIVER" TEAM AS A SALES REPRESENTATIVE, DEALER OR DISTRIBUTOR. WRITE OR CALL US.

Stephen S. White & Associates

3578 South 500 West - Salt Lake City, Utah 84115 - (801) 268-3961

May Day! May Day!

Carl Schifino, of Pitman, New Jersey is a ham as well as a CBer. When firing up his ham station, he has a habit of listening in on the U.S. Coast Guard distress and calling frequency, 2182 kHz, before tuning his receiver to the ham bands. At 1:23 AM on Sept. 9, 1974, he monitored the 2182-kHz frequency for a while and then started to tune across the dial of his National receiver. When he tuned to 4200 kHz, he heard a male voice calling "May Day, May Day, May Day. This is the skipper of the fishing vessel "Sweet Sue". We are without power and on fire with seven men on board. Our position is 115 miles out of Gloucester at 150 degrees, does anyone hear me?"

The skipper was frantic as no one was coming back to him and it was rough weather out there. Carl had him on the loud speaker and he got out his charts and compass. The skipper did not say whether he was out of Gloucester, NJ or Gloucester, Mass. By plotting the vessel's position from Gloucester, NJ, he found it would put the vessel off the Florida Coast, so by that he knew the skipper was referring to Gloucester, Mass.

Still no one was going back to the "Sweet Sue", so Carl picked up his phone and dialed the Gloucester, NJ Coast Guard station. He asked the man answering the phone to put him through to the radio operator on duty. The man replied that he was the op on this tour of duty.

Carl told the CG operator about the May Day call he had on the speaker and the information the skipper gave. The op asked Carl to stand by. He came back in a few minutes and said he could not hear the May Day call, but he could hear it on Carl's speaker in the background, so he said he would "pipe" it up to the Gloucester, Mass. Coast Guard station. Five minutes later Carl heard the Coast Guard cutter calling the "Sweet Sue" and the skipper of the fishing vessel returning to the Coast Guard cutter "Vigorous". Then static moved in, blotting out any more reception.

Carl wrote to the Harbor Master at Gloucester, Mass., to find out how the vessel and men made out. He wrote back saying that the CB cutter "Vigorous" put out the fire and towed the vessel into port and that all hands were OK. The Harbor Master turned Carl's letter over to the president of Hilex-Kristana Fishing Corp., who wrote a letter of commendation and thanks to Carl from the crew of the "Sweet Sue" and himself. He said that it is a wonderful feeling to be out there at night in stormy weather and know someone ashore might be listening. Carl has been involved in a lot of emergency radio communication work and felt great to know he had been of help to some men out there alone and in stormy weather.

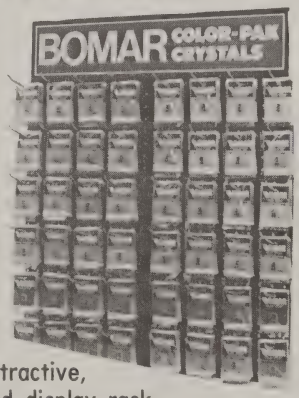
Call KFP-2179 In Indiana!

When in Indiana and in need of state police assistance, a CBer can set the rig to Channel 10, pick up the mike and call "KFP - 2179", the call sign of all Indiana State Police vehicles that are equipped with CB radios. CBers are specifically requested to use the above call sign when calling a trooper.

A BOMAR FIRST . . .

"Color-Pak" Crystals for

- CITIZEN BAND
- MONITOR RECEIVERS
- MARINE RADIO
- TWO-METER



Look for the attractive, multi-colored display rack at your local dealer, or —

WRITE FOR NAME OF NEAREST DEALER

BOMAR CRYSTALS

the "long playing" crystals

BOMAR CRYSTAL COMPANY
201 Blackford Ave., Middlesex, N. J. 08846
Phone (201) 356-7787

BARGAIN HUNTING?
SEND 25c TO DEPT. "M"
FOR BARGAIN CB CATALOG!
HENSHAW'S
7622 WORNALL, KANSAS CITY, MO. 64114

"CLEAR"... "Solid"... "POWERFUL"... "Crisp"... "PENETRATING"...

Speech Compression is built-in every Johnson CB radio.
State-of-the-art circuitry electronically selects voice frequencies that penetrate noise and interference . . . then boosts the level of modulation to give your signal that powerful "Johnson sound." It's one of many engineering advances—like receiver "steep skirt" filtering to cut interference and automatic threshold limiting to slice out noise—that gives U.S.-made Johnson CB that extra edge of performance. Performance that's backed by a full 1-year parts and labor warranty with over 700 authorized service centers nationwide.

Messenger 250
100% solid-state base station

Messenger 123B 23-channel
mobile with +/− ground switch

Messenger 130 and 132
"The radiotelephone CB System"
with private listening option

write for free catalog

E.F. Johnson Co.®

Waseca, Minnesota 56093 • In Canada: A. C. Simmonds & Sons, Ltd.

CB Radio and Boating Safety

by Frank O'Beirne, KES-1061,
President, Radio Emergency Safety Teams, Inc.

As mentioned previously in this magazine, the U.S. Coast Guard is firmly opposed to its monitoring of any CB channel or channels for boating safety purposes. The Coast Guard adheres to the policy that VHF (FM), which is guarded by Coast Guard vessels and shore stations, is the primary radio system for boating safety, and that it can also handle boat-to-boat communications and communications between boats and yacht clubs or marinas.

The Coast Guard bases this decision on several factors:

1. They already have a considerable investment in the VHF (FM) system which, through automatic relays, provides radio coverage up to 20 miles offshore and on most navigable waterways.

2. No single CB channel is allocated for exclusive marine use, or is even universally recognized as a marine channel (although Channel 13 is so used in many parts of the country).

3. All available CB channels now are cluttered with legal and illegal transmissions — especially the latter; radio discipline on all channels is virtually nonexistent and appears unlikely to improve in the near future.

4. A study prepared for the Coast Guard estimates the supply of the necessary CB radio equipment, spare parts, test equipment and operating personnel at existing Coast Guard VHF (FM) stations ashore and afloat would cost approximately $1,162,360. initially, and would not increase the present coverage afforded by VHF (FM) unless numerous automatic relay stations also were provided for CB frequencies.

5. According to the same study, recurring annual costs for maintenance, replacement equipment, parts, and salaries of operating personnel would amount to approximately $1,573,200.

6. VHF (FM) equipment for installation in boats now compares favorably in cost with good CB mobile equipment and provides interference-free communications.

It is difficult to deny the validity of the foregoing six points — with the possible exception of those dealing with initial and operating costs of CB installations at existing VHF (FM) stations.

Even so, some other factors appear to have been given insufficient consideration by the Coast Guard. Their inclusion could outweight the monetary factors and, if given proper consideration by the Federal Communications Commission, could reduce the importance of several others — or even reverse their effects. These other factors are:

1. There are tremendous gaps in present VHF (FM) radio coverage by the Coast Guard as far as recreational watercraft are concerned. Coverage does not exist for lakes, or portions of non-navigable rivers or streams, which lie within the boundaries of a single state. Such bodies of water, often ten to fifty miles in length, are used by large numbers of recreational boats.

2. Individual operators, and CB clubs and teams dedicated to helping mariners who request assistance, could fill the present gaps in VHF

Continued on Page 30 . . .

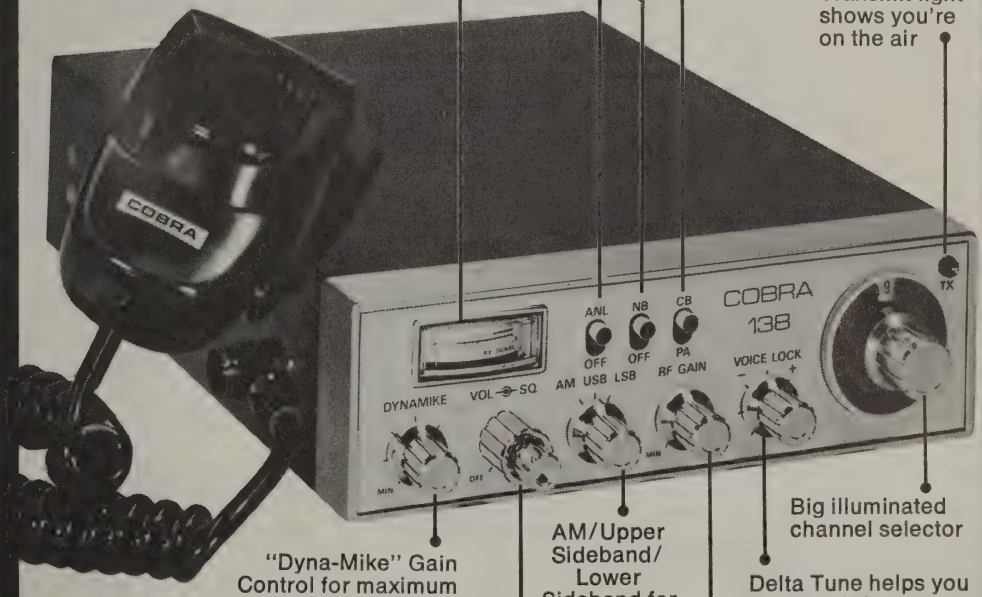
ATTENTION DEALERS:
WIDEST SELECTION —
BEST PRICE — FASTEST SERVICE!

Beltek	Royce
Browning	SBE
Cobra	Tram
Courier	A/S
Hy-Gain	Avanti
Johnson	Francis
Midland	Hustler
Pace	Mark
Palomar	Mosley
Pearce-Simpson	Shakespeare

COMPLETE LINE OF ACCESSORIES
SEND 35c FOR DETAILS

HENSHAW'S
7622 Wornall, K.C., MO 64114
1644 E. McDowell, Phoenix, AZ 85006
3605 E. Lancaster, Ft. Worth, TX 76103

Get on the hottest "side" bandwagon



Noise Limiter and Noise Blanker to cut down on your own and others' ignition noise and interference

CB/PA switch lets you use audio output to drive a PA horn

Extra-large illuminated meter

Transmit light shows you're on the air

Big illuminated channel selector

"Dyna-Mike" Gain Control for maximum modulation to cut through noise

AM/Upper Sideband/ Lower Sideband for 69-channel versatility

Delta Tune helps you tune in off-frequency signals

Volume control plus Squelch control with threshold adjustable below 1 uV

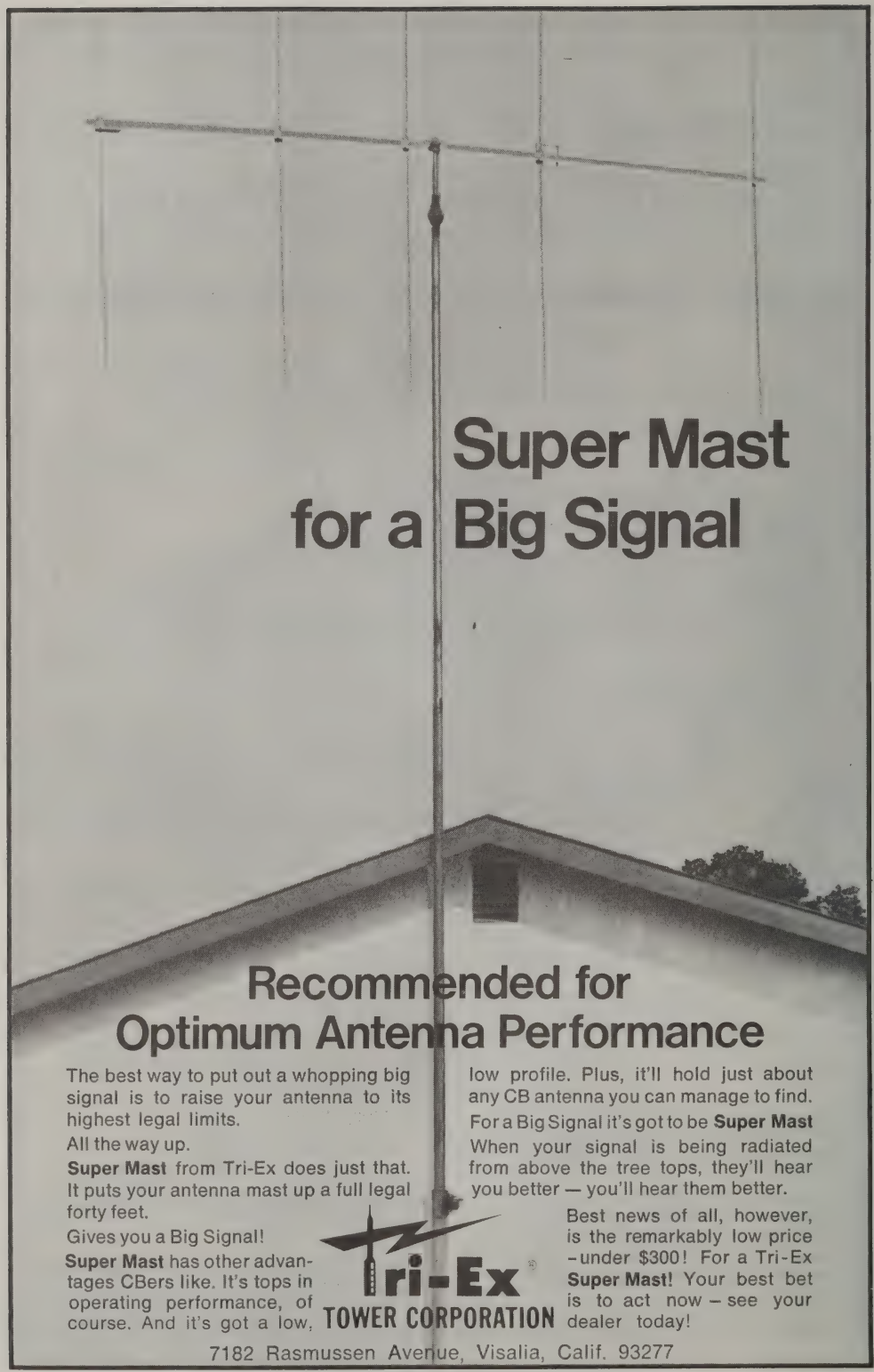
RF Gain cuts back strong signals when the skip is in

MAXIMUM LEGAL POWER PLUS...

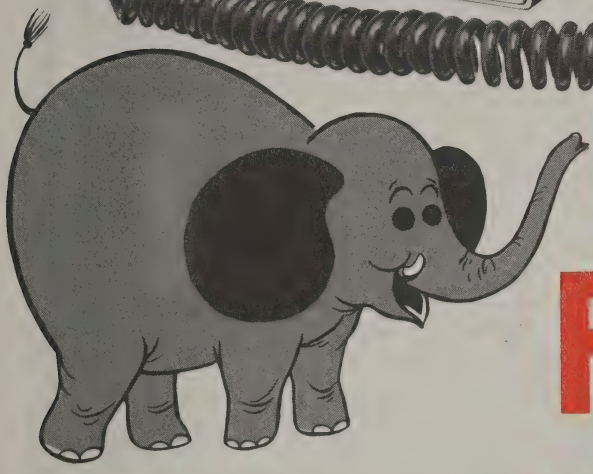
Convenient plug-in microphone, output for extension speaker and the rugged quality and precision that COBRA is famous for! Send for more details or see your dealer today!

Cobra 138

PRODUCT OF DYNASCAN CORPORATION • 1801 W. Belle Plaine • Chicago, Ill. 60613


Super Mast
for a Big Signal
Recommended for
Optimum Antenna Performance
The best way to put out a whopping big signal is to raise your antenna to its highest legal limits.
All the way up.
Super Mast from Tri-Ex does just that. It puts your antenna mast up a full legal forty feet.
Gives you a Big Signal!
Super Mast has other advantages CBers like. It's tops in operating performance, of course. And it's got a low, low profile. Plus, it'll hold just about any CB antenna you can manage to find.
For a Big Signal it's got to be Super Mast
When your signal is being radiated from above the tree tops, they'll hear you better — you'll hear them better.
Best news of all, however, is the remarkably low price – under $300! For a Tri-Ex Super Mast! Your best bet is to act now – see your dealer today!
Tri-Ex
TOWER CORPORATION
7182 Rasmussen Avenue, Visalia, Calif. 93277

Small on size...



BIG ON FEATURES

The CR-185 lets you really take control with:

* Delta tune—cleans-up sloppy signals
* Adjustable mike gain—get the talk power you want
* RF Gain Control—pulls in weak stations
* ANL & Tone Controls—quietest, best sounding reception yet

$179.00

Check our specs. Check our prices. You'll find:

Regency *has a model for your purpose . . . your purse*

CR-202
23 Channels AM
Positive/Negative Ground
$129.00

CR-186
23 Channels AM
Lighted S/RF Meter
$149.00

CR-230
23 Channels AM
NB, SWR Meter
$209.00

CR-142
23 Channels AM
ANL, Mike Gain
$199.00

CR-123
23 Channels SSB/AM
Clarifier, Noise Blanker
$359.00

CR-123B
23 Channels SSB/AM
RF Gain, Mike Gain
$399.00

(FM) coverage — or gaps in Coast Guard CB coverage — with little difficulty if given only a slight amount of Coast Guard support. The large number of CB base stations in all areas of the U.S. could insure good CB coverage of all recreational boating areas. Support by the Coast Guard would facilitate their formation into marine assistance teams.

3. Mobile CB radio equipment installed in boats may be only slightly less expensive than VHF (FM) equipment, but it is more versatile. When the boat is not in use, the CB radio may be used in a car or as a base station ashore — in fact, it can be shifted in minutes from car to boat to car.

4. Relatively inexpensive, portable CB radio sets (hand-held) can be used effectively in boats, obviating the need for permanent installations of transceivers and antennas; this is particularly important in the case of runabouts and other small watercraft with limited space for fixed installations.

5. CB equipment installed in boats provides a direct communications channel for business or personal messages between boats and homes, offices, yacht clubs or marinas and other boats. It can also be used to initiate telephone calls to any local phone from a nearby base station.

6. The absence of an officially allocated marine channel in the CB band could easily be rectified. With the number of AM channels about to be increased from 23 to 30, there is little doubt the FCC would be willing to allocate one of the existing channels for exclusive marine use if a need for it were shown and supported by the Coast Guard, boat owners and CB organizations.

One important point is worthy of special attention. Even though the Coast Guard does not now intend to monitor CB radio frequencies, it recognizes some advantages of the use of CB radio in boats and has no objection whatsoever to its use in that manner as a secondary radio system to increase boating safety. In a currently effective Instruction to Coast Guard District Commanders, dated 24 September, 1973, the Commandant, U.S. Coast Guard:

1. Cites a study and review of the CB situation and restates his decision against Coast Guard monitoring of CB radio frequencies.

2. Reemphasizes the Coast Guard policy that VHF (FM) is the primary radio system for small boat safety.

3. Recognizes the widespread use of CB radio in small boats and some of the advantages of such use.

4. States that there is no objection to such use of CB as a secondary radio system for boating safety.

5. Recognizes the existence of CB clubs and teams which assist mariners in distress, and authorizes cooperation with members of existing clubs and teams which have an interface station capability — that is, an ability to relay CB distress messages from boats to Coast Guard or other rescue units by either VHF (FM) or telephone.

6. Directs Coast Guard District Commanders to contact CB clubs or teams in their respective areas who have such interface station capabilities, maintain a register of them, and insure that the latter are informed as to the requisite information to be obtained from boats when relaying distress messages. Having gone this far, however, it is a pity that Coast Guard units then are forbidden to assist in expanding such clubs or teams; this appears unnecessary and most undesirable.

One national, non-profit, public service organization dedicated to the enhancement of boating safety — principally through the use of CB radio — already is in existence. It is Radio Emergency Safety Teams, Inc., better known as REST or REST Marine. It has previously been mentioned in this magazine. REST is currently engaged in the formation of new REST Marine Teams in areas where recreational boating activity is appreciable. A suitable corporate financial sponsor could greatly increase the rate of expansion of this worthwhile organization. All correspondence will be answered by the secretary: Jack W. Stone, Jr., 8517 Cherry Valley Lane, Alexandria, Va. 22309.

The first team — Potomac REST Marine — is small but active, and is operating in the Potomac River area in the vicinity of Washington, D.C., and downstream past Mount

Continued on Page 34 . . .

John's Communications, Inc.
(The Turner King)
Of New Jersey

—NOW IN OUR GREATLY ENLARGED, NEW WAREHOUSE, AND STOCKED FOR FASTER DELIVERY ON . . .

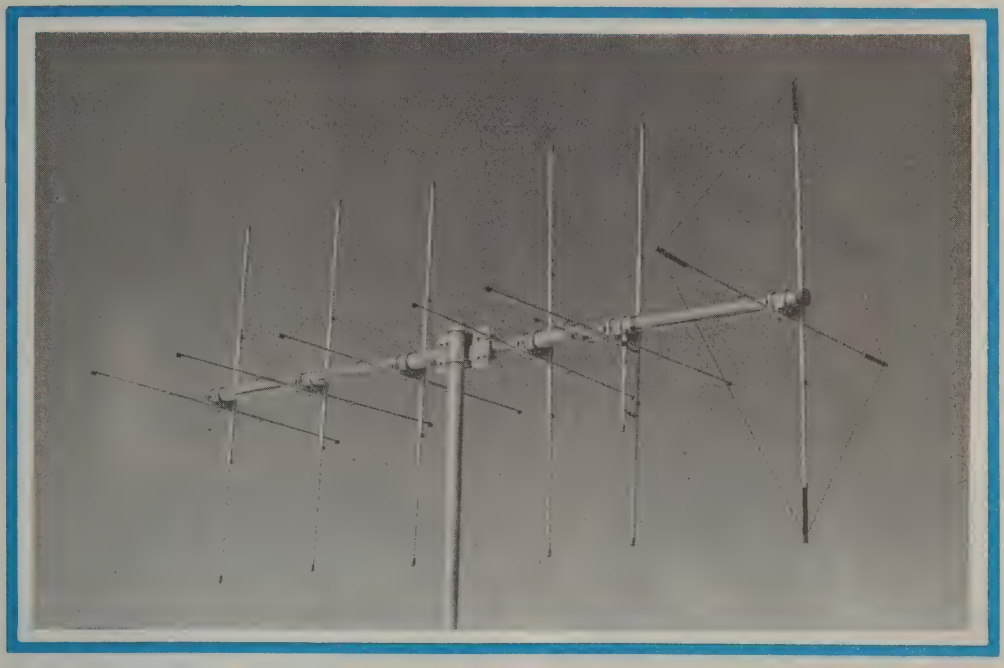
Turner * Johnson * Teaberry * SBE * Antenna Specialists * Avanti * Robyn * Shakespeare * Cush-Craft * Hy-Gain and Cornell-Dubilier

DEALERS: Write On Your Letterhead For New '75 Dealer Catalog. Enclose $1. For Wrapping and Shipping!

John's Communications, Inc.
519 Hessian Avenue,
National Park, New Jersey 08063
Telephone 609/848-6896

Wilson Electronics Corp.

12 ELEMENT LASER BEAM



25 FT. BOOM 400 WATTS EFFECTIVE POWER

The new 12 Element Laser is designed to achieve the maximum gain and front to back ratio using a Quad Reflector and Yagi Parasitic elements. There are six elements horizontal and six elements vertical, scientifically spaced on a 25 ft. boom. The 12 Element Laser is second only to the new Super Laser 500 on a 40 ft. boom. It uses the same top quality aircraft aluminum that the large Laser 500 uses.

MECHANICAL SPECIFICATIONS

- Boom Length - 25 ft.
- Longest Element - 17.5 ft.
- Elements - Aircraft type aluminum
- Element Mounts - Aluminum extrusions - no holes in elements
- Quad Reflector Wire - 14 GA. Copper Stranded
- Boom - 2" OD
- Weight - 41 lbs.

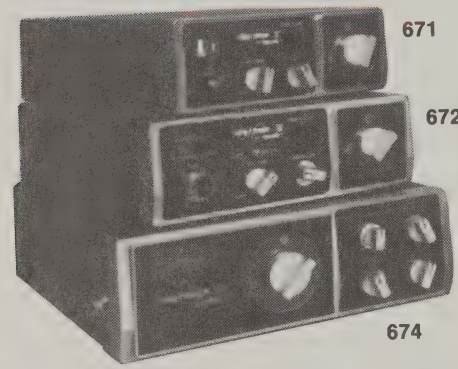
ELECTRICAL SPECIFICATIONS

- Gain - 17 Db
- Front to back ratio - 40 Db
- Horizontal or Vertical Polarity
- Power Capability - 2,000 watts
- Adjustable Gamma Match for Horizontal & Verticle
- SWR - 1.1 to 1
- 400 Watts effective multiplied power
- Recommended Rotor - TR44 or Ham II

See Your Favorite Dealor or Distributor for Information or Call WILSON ELECTRONICS, 702-451-5791

MAILING ADDRESS:
WILSON ELECTRONICS CORP.
P.O. BOX 794
HENDERSON, NEVADA 89015

DEALERS! call centennial for all Hy-Gain CB Transceivers!



Centennial is the largest east coast distributor. Offering same day delivery, best prices and guaranteed satisfaction on all orders. Centennial has large stocks of all Hy-Gain CB transceivers available for immediate delivery!

New Dealers! Send letterhead for the Centennial CB catalog. Remember, we handle the complete line of fine Hy-Gain CB products.

Call 914/725-3800 today!

Ask for Art or Mike

Centennial Communications, Inc.

644 Central Avenue Scarsdale, NY 10583

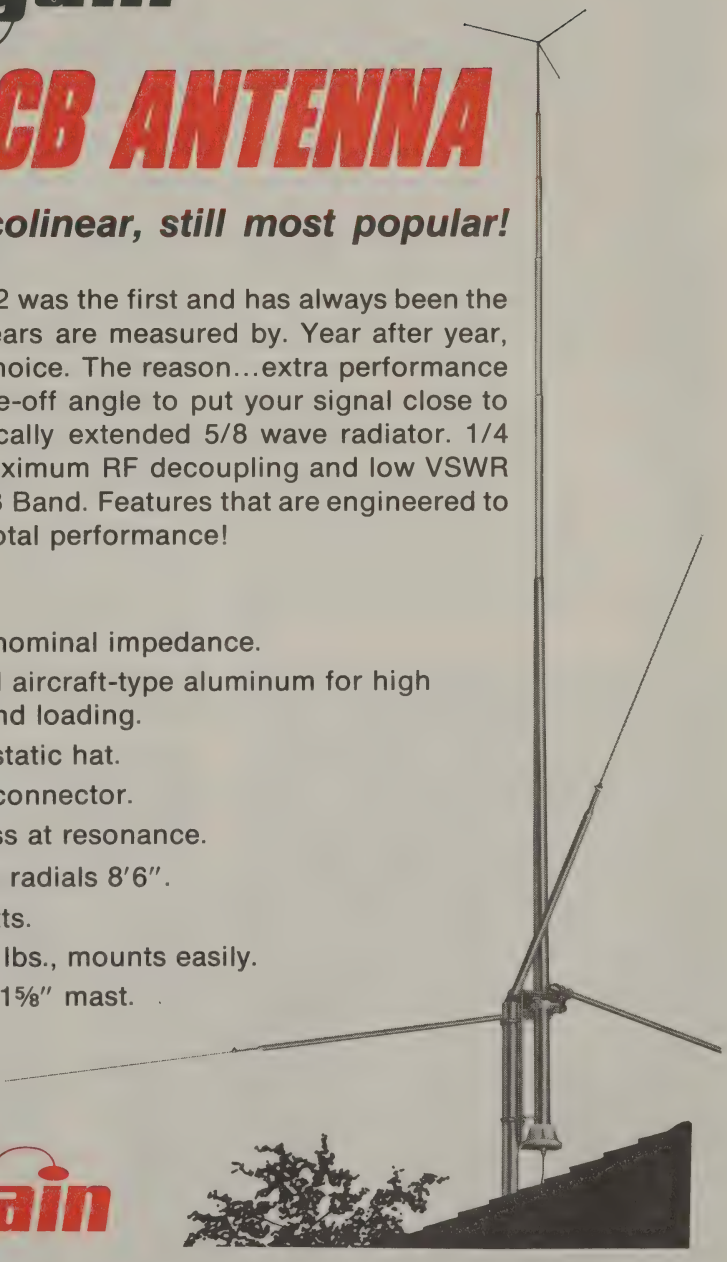
hy-gain

CLR2 CB ANTENNA

The original colinear, still most popular!

The Hy-Gain CLR2 was the first and has always been the one all other colinears are measured by. Year after year, it's been the first choice. The reason...extra performance features! Lower take-off angle to put your signal close to the ground. Electrically extended 5/8 wave radiator. 1/4 wave radials for maximum RF decoupling and low VSWR across the entire CB Band. Features that are engineered to work together for total performance!

- 4 db gain.
- Perfect 52 ohm nominal impedance.
- All taper-swaged aircraft-type aluminum for high strength, low wind loading.
- High discharge static hat.
- Recessed coax connector.
- SWR 1.4:1 or less at resonance.
- Radiator 19'10", radials 8'6".
- Handles 300 watts.
- Weighs only 7.8 lbs., mounts easily.
- Accepts 1¼" to 1⅝" mast.



Order No. 473

hy-gain

For prices and information, contact your local Hy-Gain distributor or write Hy-Gain.

Hy-Gain Electronics Corporation; 8601 Northeast Highway Six; Lincoln, NE 68507; 402/464-9151; Telex 48-6424.
Branch Office and Warehouse; 6100 Sepulveda Blvd., #322; Van Nuys, CA 91401; 213/785-4532; Telex 65-1359.
Distributed in Canada by Lectron Radio Sales, Ltd.; 211 Hunter Street West; Peterborough, Ontario.

CB and Boating Safety . . .

Vernon. This team is seeking new members to increase its hourly coverage of that portion of the Potomac and to permit expanded coverage to the lower reaches of the river. It is particularly interested at the moment in enrolling members who live in the Fort Belvoir, Quantico and Indian Head areas. Boat ownership is not an essential — there need be only a desire to assist mariners through use of CB or VHF (FM) radio. The secretary is: Mrs. C. D. Divelbiss, 4102 Whispering Lane, Annandale, Va. 22003.

The second Team — Cleveland REST Marine — has just been formed and is about to receive its charter. It will cover metropolitan Cleveland and Lake Erie waters from Rocky River to Moss Point. Grid charts have been prepared of the lake area for pinpointing the location of boats requiring assistance. As an indication of the cooperation between this team and the Coast Guard, copies of the team's grid chart are posted in the local Coast Guard chart room. Prospective members should contact the team president: Alvin L. Lowrey, 1107 Selwyn Road, Cleveland, Ohio 44112.

The third and fourth teams are in process of formation — one in Connecticut and one in Toledo, Ohio. The Connecticut Team is attempting to get all local boat owners to register their boats with the Team on a voluntary, no-fee basis, to facilitate the relaying of information should a boat be in distress or require assistance. Prospective members should apply to: REST Marine of Southern Fairfield County, P.O. Box 170, Old Greenwich, Conn. 06870.

Regular members of all REST Marine Teams must hold an individual FCC Class D radio station license, but also will be assigned a unit number to be used with the Team's call sign for transmissions relating to Team activities or business.

Membership in a REST Marine Team can be worthwhile and extremely satisfying. It provides a means of performing a valuable public service — possibly the saving of lives — and puts each member in touch with others who have similar interests. Spouses of members have all membership privileges and are urged to participate in Team activities. Consultation with the national secretary of REACT discloses that there is no national REACT policy which would prevent REACT members from also being members of REST, although a few REACT chapters apparently oppose such dual organizational membership simply because REST members may also provide assistance to motorists. REST has no such objections. REST does insist that its members abide by applicable FCC rules and regulations and the rules established by their Teams.

REST firmly believes one CB (AM) channel should be allocated by the FCC exclusively for marine use, with the exemptions from Part 95 rules now applicable to Channel 9 transmissions also made applicable to the marine channel. REST intends to urge such action by the FCC at an early date and would welcome support of this position by CBers and recreational boaters. Good sailing.

Bennie's

Communications

Warehouse Distribution Center

R. D. No. 1

Berwick, Pa. 18603

Phone 717 / 759-0795

FACTORY DISTRIBUTION CENTER FOR MOST MAJOR BRANDS OF COMMUNICATIONS EQUIPMENT!

ATTENTION, DEALERS!

Send $1.00 for our DEALER CATALOG Deductible From Your First Order. . .

Understanding CB Specs . . .

PART TWO

At the request of many readers, CB Magazine is publishing this interpretation of CB transceiver specification terms. This is a continuation of Part 1.

MODULATION PERCENTAGE. Some CB spec sheets state that the transmitter is capable of 100 per cent modulation. Don't take this literally. When a transmitter is voice-modulated, the voice power varies over a very wide range. This causes the modulation percentage to vary, also over a very wide range. In a laboratory, a transmitter might be capable of sustained 100 per cent modulation when modulated by a sine-wave test signal. In actual use, modulation percentage cannot reach 100 per cent except during very short duration peaks of the voice signal.

Continued on Page 40 . . .

The professionals

The pick of America's biggest line of CB hand helds... from Midland, of course

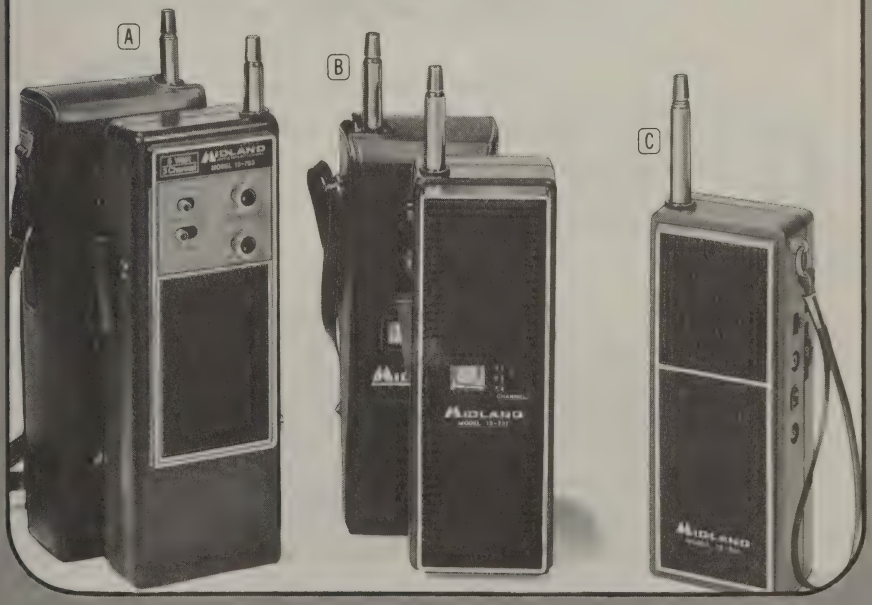
(A) **FIRST CHOICE! 5-Watt, 3-Channel.** Lots of talk power in a light, compact package. Features superhet receiver with AGC and variable squelch. Transmits with 5-watt input power, or battery-saving 2 watts. Operates on 12-volt DC from batteries, AC or auto adaptors (all optional). And there's a jack for an external speaker/mike. With carrying case and Channel 11 crystals, it's Model 13-763.

(B) **SECOND CHOICE! 2-Watt, 3-Channel.** A slim-style hand held with separate speaker and mike for extra voice clarity. Operates on 12-volt DC from batteries or adaptors (all optional). Has battery meter. Includes case and Channel 11 crystals. Ask for Model 13-727B.

(C) **THIRD CHOICE! 1-Watt, 2-Channel.** A great all 'round hand held with power for most needs on the job or in the field. Superhet receiver with variable squelch. 12-volt operation from optional batteries or adaptors. With carry strap and Channel 11 crystals. Model 13-701B.

MIDLAND INTERNATIONAL®
Communications Division

Write for free, full-color CB and Scanner Brochure: P.O. Box 19032, Kansas City, Mo. 64141



HUSTLER®

BE EVERYWHERE AT ONCE!

With your CB Radio—Communicate in any direction—every direction—be everywhere at once—louder—longer—with the

"HI-Q POWER PACKER!"

MOBILE ANTENNA

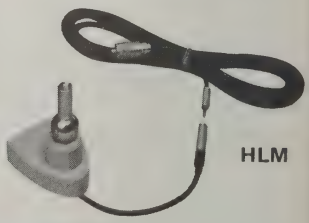
Superior performance is yours in the new and advanced design Hustler "Hi-Q Power Packer". Get lowest SWR and extra bandwidth with coverage for present and all proposed 27 MHz. CB channels. Take advantage of the deluxe trunk lip mount with 180° swivel ball for optimum vertical inpolar positioning of the antenna.

"Hi-Q Power Packer" (illustrated) 55" antenna complete with deluxe mount, 17' coax cable, all connectors attached, ready for easy installation and operation. Antenna is removable from mount. MODEL HQ-27M.

Antenna only with 3/8"-24 base to fit all standard mobile mounts—Cable or mount not included. MODEL HQ-27.

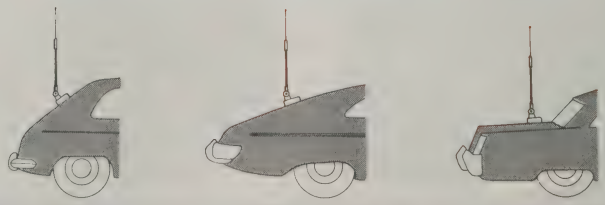
DELUXE TRUNK LIP MOUNT

Deluxe Trunk Lip Mount. Easy, no holes to drill, installation on side or rear of trunk lid. Includes 180° swivel and 17' coax, connectors attached. Accepts all antennas with 3/8"-24 base up to 70" in length. MODEL HLM.



HLM

ACCOMMODATES ALL CAR STYLES



HUSTLER®

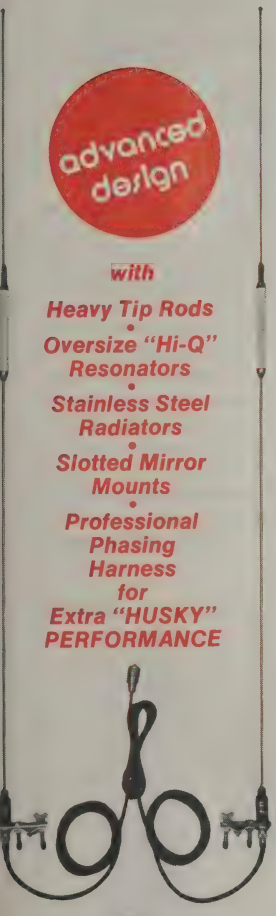
"MR. TRUCKER" move America-faster-easier!

Hook up to the exciting world of Citizens-band two-way radio. Talk over the miles—see ahead—and be ahead of your time with Hustler - extended range - "Hi-Q" Twin Huskies antenna system!

advanced design

with

Heavy Tip Rods
•
Oversize "Hi-Q" Resonators
•
Stainless Steel Radiators
•
Slotted Mirror Mounts
•
Professional Phasing Harness for Extra "HUSKY" PERFORMANCE



HTM-1

"HI-Q" TWIN HUSKIES

Only Hustler— America's favorite— offers a new dimension in total performance with non-corrosive superflex stainless steel radiators, slotted mirror mounts for easy attachment to all West Coast style mirrors, a professional design phasing harness, "Hi-Q" resonators and positive lock-in, large diameter tip rods.

"Hi-Q" Twin Huskies (illustrated) 51" antennas with 17' dual phasing harness ready for installation and operation. MODEL HTM-1

SINGLE HUSKY

Single Husky for RV's and all vehicles with single West Coast style mirror. Complete with 12' coax, connectors attached, ready to use. MODEL HSM-1

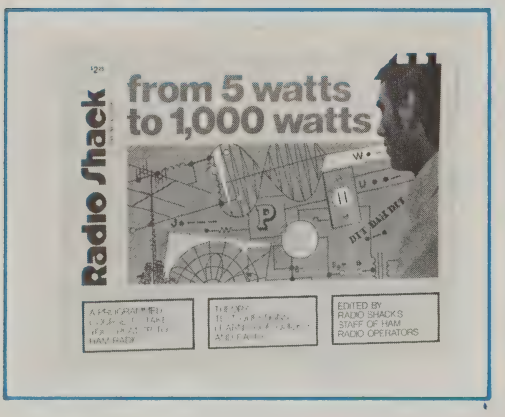
new-tronics corporation
15800 commerce park drive,
brook park, ohio 44142

Available from all distributors who recognize the best!

CB SCOPE

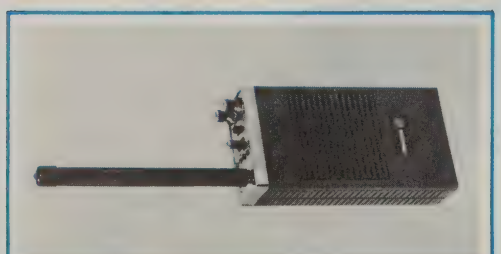
REVIEW OF NEW PRODUCTS AND SERVICES

LEARNING BOOK



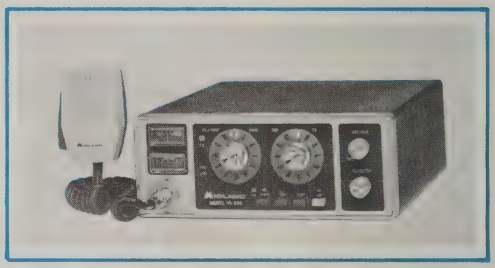
"From 5 Watts to 1,000 Watts", is a programmed study course designed to help the CBer, electronics hobbyist or complete beginner learn the material necessary to earn an Amateur Radio license. For those not specifically interested in Amateur radio the course can also serve as an easy way to learn basic electronics. The programmed course takes the student step-by-step through the basics of learning Morse code to the electronics theory and regulations needed for the novice, technician and general class "Ham" licenses. The basic philosophy of the book is said to be understanding concepts, rather than memorizing a list of facts. "From 5 Watts to 1,000 Watts", edited by Radio Shack's staff of ham radio operators, is priced at $2.25, and is available exclusively from *Radio Shack* stores and authorized sales centers. To request a copy of the Radio Shack catalog, use ***SPEDE No. 065-1***

PORTABLE SCANNER



A 4-channel portable scanner, designated Scanfare UHFH, operates in the high UHF (475-512 MHz) band. Featuring superior selectivity and sensitivity with excellent adjacent channel rejection characteristics, Scanfare UHFH utilizes dual-conversion superheterodyne circuitry with both high frequency crystal filter and ceramic IF filter. A screw mounted flexible antenna is provided as standard equipment and the unit comes equipped with provision for earplug, 6-volt power supply and external battery charger operation if an optional nickel-cadmium package is employed. For more information write to *Fanon/Courier Corp.*, 990 Fair Oaks Ave., Pasadena, CA 91105, or use ***SPEDE No. 065-2***

2-METER FM MOBILE



The Midland 2-meter FM mobile ham transceiver, model 13-505, has separate transmit and receive channel selectors to give selective and simultaneous control of all transmit and receive frequencies in the 144-148 MHz band. The dual-power transmitter delivers 30-watt or 5-watt RF output and has automatic VSWR protection. The transceiver is equipped with a discriminator meter that shows frequency shift in received signals as well as to calibrate both receiver and transmitter. Also built in is an S/RF/SWR meter, full squelch control, double 12-channel selectors. For further information write to *Midland Electronics*, P.O. Box 19032, Kansas City, MO 64141, or use ***SPEDE No. 065-3***

CONTINUITY TESTER

CB SCOPE

The BLEEPTEST is a compact, lightweight (less than 8 oz.) circuit continuity tester which emits an audible tone whenever the circuit under test is "made". Test leads are supplied, and interchangeable probes and fine wire clips are provided for further convenience. A stainless steel clothing clip and an eyelet for lanyard suspension are provided. For additional information, contact: *Cybersonic Division*, C. A. Briggs Company, Box 151, Glenside, PA 19038, or use ***SPEDE No. 065-4***

CLASS A PORTABLE

The new Johnson FM 590 is claimed to be the smallest and most advanced UHF FM two-way radio available. It is operable on Class A CB channels in the 460-MHz band. The FM 590 handheld transceiver features new advances in miniaturization and ruggedness, such as a cast aluminum "I" beam frame, state-of-the-art hybrid microcircuits, a light 15.5 ounce total weight and 1-1/8 inch total thickness, complete moisture proofing and a convenient twist-off battery that recharges to full capacity within 30 minutes. A separate receiver speaker and transmitter microphone are built into the FM 590 case.

Options and accessories include Call Guard tone squelch for most convenient operation, a dual rapid charger and a variety of case and holster options. The FM 590 is backed by a full one-year parts and labor warranty, backed by hundreds of warranty service centers nationwide. For additional information, contact the *E. F. Johnson Company*, Dept. CB, Waseca, MN 56093, or use ***SPEDE NO. 065-5***

VHF HANDBOOK

If you're interested in the technical aspects of CB radio and want to become well informed in advance about techniques that will be used on the Class E band (224-225 MHz) when it is established . . . theory, equipment, antennas, range, etc., you will get a lot out of "VHF Handbook for Radio

Continued on Page 40 . . .

Want more information on these CB SCOPE items? Use the SPEDE COUPONS below - one Spede Number per coupon, and mail the coupons to CB MAGAZINE READER SERVICE, 531 NORTH ANN ARBOR, OKLAHOMA CITY, OK 73127, within 60 days of the publication date of this issue of CB Magazine. Your complete mailing address must appear on each SPEDE COUPON, which will serve as address label to mail you literature!

SPEDE
Please send me literature on SPEDE NO.
Name _____ Call _____
Address _____
City _____ State _____ Zip _____
A CB MAGAZINE READER SERVICE!

SPEDE
Please send me literature on SPEDE NO.
Name _____ Call _____
Address _____
City _____ State _____ Zip _____
A CB MAGAZINE READER SERVICE!

SPEDE
Please send me literature on SPEDE NO.
Name _____ Call _____
Address _____
City _____ State _____ Zip _____
A CB MAGAZINE READER SERVICE!

SPEDE
Please send me literature on SPEDE NO.
Name _____ Call _____
Address _____
City _____ State _____ Zip _____
A CB MAGAZINE READER SERVICE!

SPEDE
Please send me literature on SPEDE NO.
Name _____ Call _____
Address _____
City _____ State _____ Zip _____
A CB MAGAZINE READER SERVICE!

CB SCOPE

Amateurs". While the title indicates it is a book for hams, it contains a lot of information for the prospective Class E band CBer. This 336-page book is crammed with information prepared by the authors, Herbert S. Brier and William I. Orr. The chapters on antennas alone warrant buying this book which is available for $5.95 (plus 25c for postage and handling) from *Radio Publications, Inc.*, Box 149, Wilton, CT 06897. For more information about this and other books, use

SPEDE No. 065-6

CB EMBLEMS

Now you can have your own Swiss embroidered sew-on emblem with washable cotton twill background and colorfast threads. They are now available to CB club. It's no longer necessary to order hundreds to have your custom-designed emblem. A brochure explains the two basic methods of manufacturing embroidered emblems and gives hints helpful on designing an emblem for your club or organization. As few as ten of your design may be ordered at one time. Write for free brochure from A. T. Patch Co., 18 Bethlehem Rd., Littleton, NH 03561, or use ***SPEDE No. 065-7***

Understanding CB Specs . . .

MODULATION LIMITER. All type accepted, standard power CB transceivers are required to contain a circuit that automatically prevents overmodulation (over 100 per cent). The modulation limiter, at the same time, increases average modulation level. This increases "talk power" which means your voice will sound louder at a distant receiver.

FREQUENCY STABILITY. The FCC frequency tolerance for Class D CB transmitters is ± 0.005 per cent. When a transceiver is set to Channel 1 (26.965 MHz), for example, under unattainable perfect conditions, the transmitter will operate at exactly 26.965 MHz (megahertz) which is the same as 26,965 kHz (kilohertz) or 26,965,000 Hz (Hertz or cycles per second). If the carrier frequency is 26.96365 MHz, it is 1350 Hz lower than 26.965 MHz and just a wee bit outside of the —0.005 per cent tolerance. On the other hand, if the carrier frequency is 26.96635 MHz, it is 1350 Hz higher than 26.965 MHz, just beyond the + 0.005 per cent tolerance.

In a transceiver using plug-in crystals (two per channel), the transmitter frequency is controlled by a different crystal on each channel. Off-frequency operation on only one channel indicates that this channel's crystal should be replaced.

In a transceiver employing a conventional synthesizer, the transmitting frequency on any given channel is determined by at least two crystals. Off-frequency operation can result if one crystal is out of tolerance. And, in a transceiver employing a phase lock loop (PLL) synthesizer, very few crystals are used. One defective crystal can cause off-frequency operation on all channels. But, don't worry about it. In the rare case that off-frequency operation occurs in a transceiver using either type of synthesizer, have the problem corrected by a "pro".

NOTE: If your transceiver uses changeable, plug-in crystals, replace them only with crystals manufactured specifically for use in the make and model transceiver you have. Use of crystals made for some other transceiver can result in unlawful off-frequency operation.

But, what is a crystal? It is a tiny piece of quartz that vibrates at its resonant frequency which is determined by its physical dimensions. It works like a tuning fork, but is much smaller.

Why did the FCC establish a frequency tolerance standard? To minimize adjacent channel interference (bleedover). Most of the Class D channels are spaced 10 kHz apart. That's not a very wide communications lane.

[to be continued]

TWO-WAY RADIO PIONEER RETIRES

John A. McCormick, one of the best known personalities in the two-way radio field, has entered retirement after 38 years with General Electric Company and following an industry career which led many to acknowledge him as "Mr. Mobile Radio." McCormick holds the distinction of having the longest continuous service with General Electric's Mobile Radio Department. Hundreds of major mobile networks on the air today were assisted in their development stages by his consultation and planning.

For the range-iest talk and big, big ears...

FCC
Type Accepted

make it a Diamond 60 SSB from Tram.

We build in the kind of performance you usually expect from a base station. Years of engineering excellence have taught us how. We wouldn't know how to build them any other way.

TRAM®

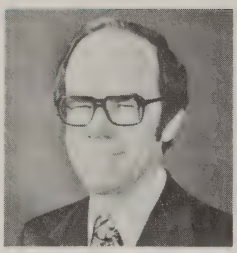
Lower Bay Road, P. O. Box 187
Winnisquam, NH 03289
Phone (603) 524-0626

At your authorized Tram/Diamond Headquarters.

SEE YOU AT SUMMER CES BOOTH 9646.

ANTENNA SPECIALISTS PROMOTIONS

Larry Kline,
Product Marketing Manager



Bill Bradford,
National Sales Manager

Bob Beebe,
Merchandising Manager

Mel Griffin,
Marketing Administrator

Reflecting unprecedented growth in sales plus vigorous expansion into new markets, The Antenna Specialists Company has reorganized and significantly strengthened its marketing department. Art Baldenperger, marketing vice president of the Cleveland-based communications antenna and electronic products manufacturer, has announced a series of new staff appointments to meet effectively not only rapidly expanding current market needs but to increase emphasis on evolving future markets.

Larry Kline has been promoted to product marketing manager, professional and personal products. Major emphaais will be given under his direction to new product development and forward planning as well as management liaison between marketing and production, engineering and accounting. Bill Bradford, formerly western regional sales manager for personal products, has been named to the newly created post of national sales manager. His new responsibility encompasses management and direction of sales effort of the manufacturers' representative organizations and internal sales support team on all Antenna Specialists products, both personal and professional.

Reflecting the company's determination to continue providing aggressive advertising and promotional support, the company has appointed Bob Beebe, formerly midwest regional sales manager, to the new post of merchandising manager. Beebe will be responsible for the development and implementation of the company's marketing communications program — advertising, publicity, public relations, literature, display and trade communications. Administrative management of the Marketing Department will be centered under the direction of Mel Griffin, who has been promoted to the new position of marketing administrator. The new marketing management appointees will report directly to Baldensperger.

DEALERS WANTED
by Hy-Gain
LOCAL WAREHOUSE
DISTRIBUTOR

For The Complete Line Of

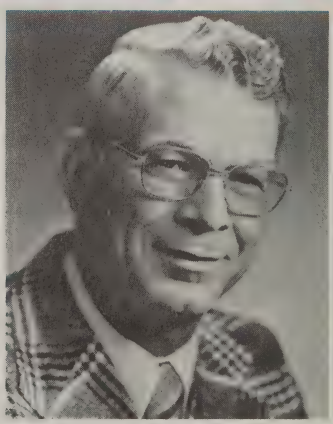
hy-gain®

TWO-WAY RADIOS AND ANTENNAS

write for free
DEALER CATALOG
AND—Complete Line of
Accessories

Authorized Service Station
B. & J. Two-way Radio
1516 S.E. 44th Street
Oklahoma City, OK 73129
405-672-1381

MIDLAND NAMES RICHARD N. BOHLS



Richard N. Bohls,
Professional Products Sales Manager

The appointment of Richard N. Bohls to the position of professional products sales manager for the Communications division of Midland International Corporation was announced by

Continued on Page 46 . . .

See Southern for hy-gain® citizens two-way!

Hy-Range I One of the least expensive CB transceivers, yet one of the top performers! 23 channel mobile complete with all crystals, mic, holder and bracket. Low price includes mic preamp, automatic modulation control, new illuminated S/RF meter and external speaker jack. Pulls in weak signals, gives you top talk power! **Model 670A**

- Floating +/– ground (no wire switching)
- TVI filter
- More than 3 watts RF output
- 0.7 uV sensitivity for 10db S+N/N

Hy-Range II Great receiver sensitivity, maximum talk power. All features of Hy-Range I, plus Delta tune, ANL and PA. **Model 671A**

Hy-Range III The ultimate in AM/CB. All features of Hy-Range II, plus superior electrical system, true noise blanker with ANL, transmit and receive indicator LED's. Large 3″x5″ speaker. **Model 672A**

All units FCC type accepted

Use Hy-Gain antennas for top performance!

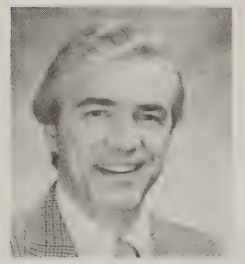
Southern stocks all the Hy-Gain Hellcats and the power-packed Son-of-a-Guns. All Hy-Gain CB mobile antennas are perfectly matched for use with Hy-Gain transceivers or any others.

Southern Distributing Company

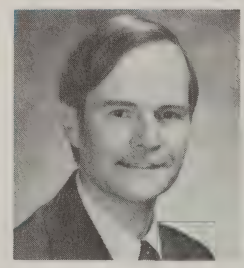
2526 Deans Bridge Road / Augusta, GA 30906 / 404/738-0191

Olin W. Lippincott, general manager. Bohls has 20 years of experience in product development and marketing of amateur, commercial and avionics communications equipment. He will direct marketing and sales representatives' activities for Midland's marine and amateur radio lines on a national scale.

BROWNING NAMES JOLLIMORE, NICHOLS V.P.'s



Ken Jollimore, VP, Browning Sales, Marketing



Philip S. Nichols, VP, Browning Production, Engineering

Kenneth A. Jollimore has been named vice president, sales and marketing, at Browning Laboratories, Inc. His appointment culminates nearly six years at Browning. During those years he served in two key management areas: first as manager for Tri-State Audio, a Browning division providing MUZAK® background music in New Hampshire and Maine, and then as general sales manager for Browning's line of CB radios. Jollimore's business background encompasses a myriad of audio-oriented activity including over 12 years' experience as a commercial broadcast announcer throughout the greater New England area. Prior to joining Browning he was with MUZAK in New York City as manager of franchise development and director of travel.

In recognition of his managerial contributions to the company's increased volume of production, Browning Laboratories, Inc. has promoted Philip S. Nichols to production and engineering vice president. A true veteran of the CB field, he joined Browning in 1959 only 12 months after the actual creation of the 27-MHz citizens band by the FCC. Nichols' 16 years with Browning encompass a wealth of interrelated manufacturing experience, including direct supervision and coordination of the company's engineering, purchasing, production and quality control facilities. He has been responsible for the design of many types of electronic equipment and has played a key role in developing Browning's line of CB radios.

Communications Center

"FOR THE BEST PRICE WITH COMPLETE SERVICE"

((ρ)) Pace Communications Equipment

Antenna Specialists Antennas

and Complete Accessory Line.

WRITE FOR FREE DEALER CATALOG & PRICE LIST!

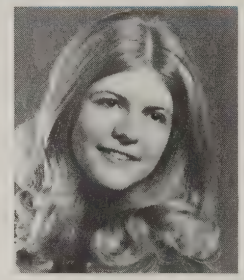
NATIONAL SERVICE CENTER FOR PACE AND B&K COBRA

Paul Adams

Communications Center
217 NE 46
OKLA. CITY,
OKLA. 73105
405/525-7537

Ron Hines

KEITER, MORRISON NAMES SALES MANAGERS



Pam Keiter, M-Tron Distributor Sales Manager

Robert D. Morrison, Pace Sales Manager, CB, Monitors

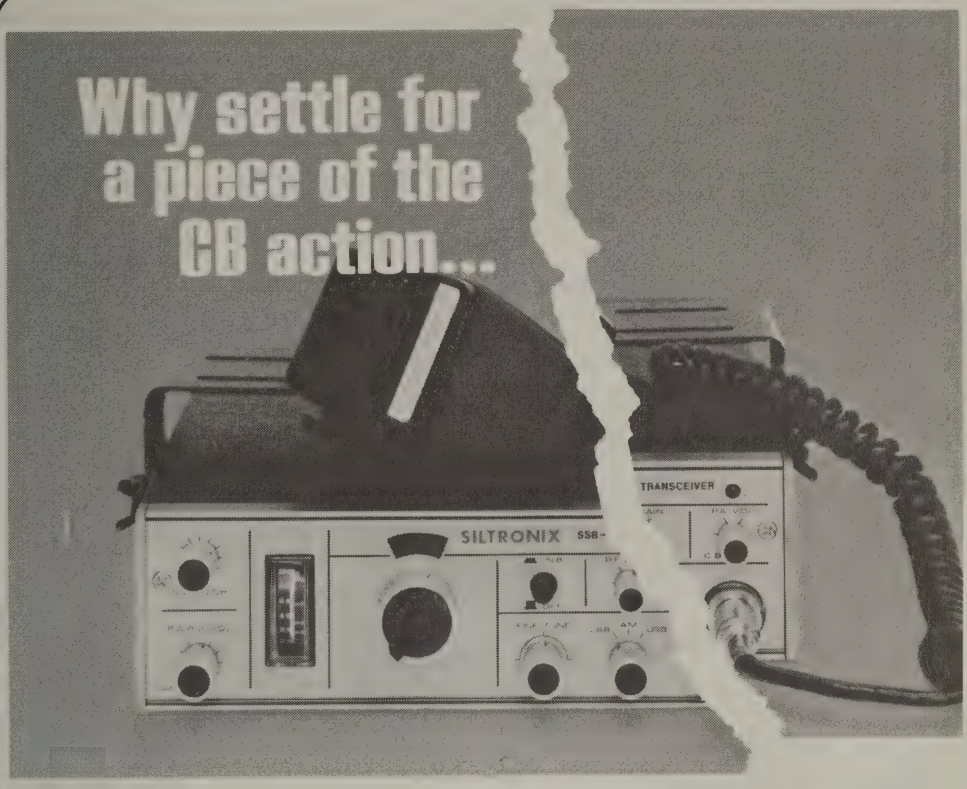
Miss Pam Keiter has been promoted to distributor sales manager for M-Tron of Yankton, SD, which manufactures crystals for scanners in CB radios. Miss Keiter was a sales correspondent with M-Tron for four years.

Robert D. Morrison has been named sales manager for CB and monitor receivers at PACE Communications, Div. of PATHCOM, Inc. He has had 14 years of experience in CB and 2-way radio communications.

ANTENNA SPECIALISTS EXPANDS FACILITIES

Substantially increased production of Antenna Specialists land mobile and CB communications antennas has been achieved with

Continued on Page 50 . . .



when Siltronix SSB/AM gives you all of it?

Citizens Band radio has a lot more to offer than 23 channels and a weak signal.

Siltronix single sideband CB sets can double or triple your range by giving you more efficient use of your communications power. And they give you twice as many modes to get through on.

And Siltronix CB sets wrap up those 46 modes of single sideband talk power together with full AM capability to give you everything CB radio has to offer in one compact rig.

Sure Siltronix SSB/AM costs more. About a third more than a good AM rig. For that you get over 12 watts of input power punch and twice the number of modes plus AM to boot.

Like three for the price of one.

Believe us, SSB works better. A whole lot better. But you don't have to take our word for it. Check the amateur bands and you'll find that the hams are all talking on SSB—almost to a man.

Why buy just a piece of CB? Go single sideband with the leader and get in on all the action the band has to offer. See your Siltronix dealer today.

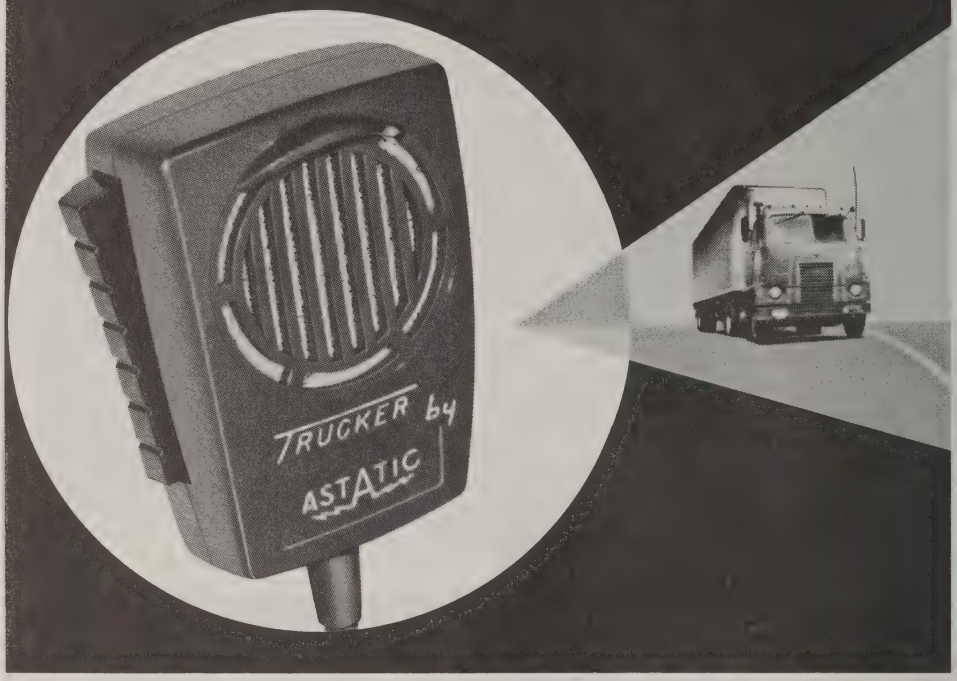
SILTRONIX

A Cubic Corporation Company

269 Airport Road • Oceanside, CA 92054
Telephone: (714) 757-8860

Join the SILTRONIX SIDEBANDERS — See your SILTRONIX dealer.

around the world or around the bend...



The Finest Microphones For Two-Way Communications Are

ASTATIC*

The Astatic D-104 is still the standard for top performance with Ham rigs reaching the far corners of the earth. Likewise, such newer developments as the Astatic "Trucker," Model 555 Microphone, is the ultimate in noise-cancelling, power microphones for two-way CB communications by truckers. Whatever your needs in this broad field of sending and receiving equipment, there is an Astatic Microphone that will raise voice reception to a superior level of quiet, intelligible sound. Write for name of nearest Astatic dealer who can supply and install the right microphone for your needs.

THE ASTATIC CORP./ Conneaut, Ohio 44030 U.S.A.
In Canada: Canadian Astatic Ltd., Scarborough, Metro Toronto, Ontario
Export Sales: Morhan Exporting Corp., 270 Newtown Road, Plainview, New York 11803, U.S.A.

***THE BIGGEST NAME IN PHONO CARTRIDGES, NEEDLES, MICROPHONES**

Palomar SKIPPER 73

$395.00

YOUR BEST BUY

The Skipper '73. Pure radio. Pure value.
Palomar's engineers designed this transmitter and receiver to do two separate jobs. The Power is built-in separately to each function. No short cuts. No compromise. Small wonder no other transceiver on the market can touch it. You try it.

Send for your Free Catalog and Decal.

Palomar ELECTRONICS CORPORATION
563 N. Citracado, P. O. Box 2403, Escondido, CA. 92025
Phone: (714) 746-2666

TRUCKERS' CORNER

by Kenneth D. McNatt, President, UNITED CB TRUCKERS ASSOCIATION

This is a regular column written for CB Magazine for truckers and other CB radio users. Readers wishing to comment or provide inputs may write Ken McNatt at PO Box 2676, Garland, TX 75041..

Although I myself am a truck driver, and I face many problems daily along with the thousands of other drivers who share my profession . . . believe it or not, driving a truck can often be very hazardous and down-right hard work . . . I'm really amazed at times to realize how many honestly sincere supporters we "eighteen-wheelers" have across the country. Of course, we've heard a lot of tongue-in-cheek remarks about the use of CB radio in trucks. Admittedly, there are a lot of pros and cons about the current situation depending on how you feel about it, however I had occasion to read an article by Bob McGarvey, columnist for THE HOME NEWS of New Brunswick, New Jersey. Something about the aritcle seemed to have a new twist. It's this kind of support that gives us truckers real warmth inside.

. . . "If you're old enough, you may remember when it was generally agreed the function of a police organization was to preserve the peace. Arresting someone after a crime had been committed wasn't good enough. Prevention of the occurrence of the crime in the first place was what counted. Things have changed over the years and today the role of the police seems to be to try to put things back together after everything has happened. Which has a lot to do with two-way radio communications on the major highways. A trucker who spreads the word that state police are working a section of the turnpike with unusual vigilance is not breaking any law. On the contrary. He is helping to uphold it. By sounding the alarm, he is causing other drivers to be a little more careful and to watch out for violations. The end result more than justifies the means, in this case. As part of their informal national warning service and mutual protection system, the long-haul truckers are performing a public service. They not only keep track of "Smokey — any policeman state, local or otherwise — they also chart road hazards and crash areas to avoid. And there are fringe benefits. . . .

Why it is that many newspapers and columnists pickup on only the detrimental aspects of the news is sometimes bewildering to me personally. Thank goodness, though, not everyone looks on the dark side. — THANKS, BOB.

See you down the road, and here next month!

Ken.

CB

$2,000.00

FAMILY SHOPPING SPREE

And Many Other Prizes!

Free Registration! No Obligation! Nothing to Buy!

FATHER'S DAY CELEBRATION

SATURDAY & SUNDAY

JUNE 14 & 15

TOWN EAST SHOPPING MALL
MESQUITE, TEXAS

Emcee: CHARLIE DOUGLAS of the Charlie Douglas "OPEN ROAD SHOW" Heard on WWL, New Orleans!

Sponsored By

UNITED CB TRUCKERS' ASSN.
PO Box 2676, Garland, TX 75041

SAVE! SAVE! SAVE!

25% OR MORE OFF BRAND NAMES —

MARINE & CB RADIO

ANTENNAS & ACCESSORIES
ALL MAJOR BRANDS

S. C. Wholesalers
Telephone 301/477-1452
4336 North Point Blvd., Baltimore, MD 21222

Dealers Wanted!

COBRA'S ELECTRONICS CORPORATION

2812 Warren Street, Elkhart, Ind. 46514
Telephone 219/294-7667

Pearce-Simpson — Cobra — Pace — Courier — SBE
Hustler — Shakespeare — Francis — Wilson
Turner — Astatic — Antenna Specialists

AUTHORIZED DYNASCAN PRODUCTS SERVICE CENTER
Hours: Mon.-Sat.: 7:30AM-7:30PM; Sun:Noon-6PM

BREAKER Presents

GEORGE WASHINGTON TWIN TRUCKERS

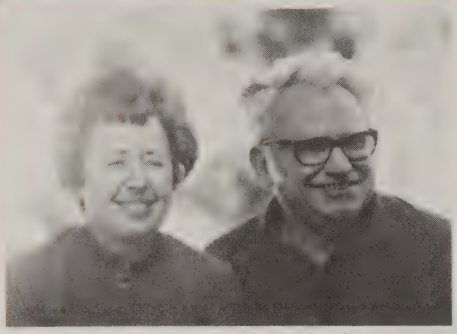
If George Washington had just had a pair of **Breaker** "Twin Truckers" on his boat when he crossed the Delaware River, he could have taken advantage of communications that would have made "Generaling" a lot easier. But, old George didn't, and he ran into lots of British booby traps. You can avoid electronic booby traps and poor transmission and reception when you mount this great pair of "Twin Truckers" on your rig. **Breaker** has built the sturdiest mounts in the business, along with super signal input and output.

The twin **Georges** have oversized resonators, stainless steel adjustable tip rods, 18' of dual coaxial phasing harness, with PL-259 ends. Better radiation and a reinforced signal pattern is obtained from these great twins.

Suggested Retail $39.95

Dealerships available in some areas. Write for information. Write for name and address of your NEAREST BREAKER DEALER.

REACTions
FROM THE GOLDEN GATE



by Charlie and Evelyn Harband, KPA-2021

Vince Was A 'Lapper' — The President Sat There!

Vince Gagliardo, KRA-5205, stood by the driver's seat of the bus to be out of the way. He had his hand-held unit at the ready. His instructions from the dispatcher had been clear — "just report 'ready' when the doctor tells you to, and then stand by to report any emergency that might arise" — easy enough.

A head popped into the bus entrance and called up to him. "You there with the radio! — Are you available as a lapper?" Vince was caught off guard for sure. He had cards in his pocket certifying him as a communicator, a Red Cross immediate action worker, a member of REACT — even had cards for chemical agent training, and for cardiac arrest, — but in his instant recall, it appeared that he had never even heard of a "lapper", and here he was about to be one.

Before he answered, he glanced down again, as his mind played with one possibility — she wasn't bad looking, and not too heavy! I'm not sure what you mean," answered Vince, "but I'm game for just about anything."

"What's a lapper?" A second look identified the face — she was the head nurse for this bus. "Well, swing that radio over your shoulder and come down here and grab this baby. You'll be holding her on your lap until we get to the Presidio", instructed the nurse. "What do I do with her", asked Vince. "She has been changed and fed already, but they are all very insecure. Just talk to her and shower her with a little love", called out the nurse, pushing Vince up the stairs and turning away for another child.

The head nurse came aboard and made a head count and the doctor once more checked each child. They returned to the front and Vince waited for the signal to transmit. Vince expected the order to move out, but it didn't come. Instead the front door opened again and a WAC MP came aboard and moved to the back, cautioning everybody to remain seated. Behind her moved two security men in civilian clothes, checking out each adult on board.

Vince was amazed at the security precautions. There had been no hint, no reason was evident — not for long, that is. One of the security men walked forward and leaned out the door, when in walked President Gerald S. Ford himself, carrying a Vietnam orphan. The President walked halfway back through the bus and seated himself directly in front of Vince. He chatted briefly with Vince and the other adults

Continued on Page 54 . . .

DEALERS CASH IN NOW!

Nationwide Electronics wants to help you increase your profits, and you can, with our low prices, big selections and fast same-day service. Over 27 lines of CB radios, Walkie Talkies, Microphones, Antennas, Scanners and Accessories.

Send for our FREE CATALOG today on your letterhead, or enclose your business card.

nationwide sports distributors ELECTRONICS division
(215) 322-4448

Nationwide Sports Distributors, Electronics Div.
Dept. 223 70 James Way, Southampton, Pa. 18966

Dealers Wanted

"YAK SHACK" C.B. Radio Co.

P. O. BOX 798
9671 CHAPMAN AVE. • GARDEN GROVE, CALIF. 92641
TELEPHONE (714) 636-6700

PEARCE-SIMPSON / ANTENNA SPECIALISTS
CLARICON / TURNER • ASTATIC
COURIER / HUSTLER • AVANTI
E. F. JOHNSON • C.A.T. • C.P.D.

Add Hi-Profit FAST-SELLING C. B. Equipment
To Your Business or Spare Time

Charlie's Golden Eagle is part of the family

The day Charlie brought home his Golden Eagle base station, a new member joined the family circle. Like the arrival of his first child, there had been months of waiting—dealer backlogs were long even then! In the years that followed, Charlie's entire family came to know and love their Golden Eagle. The pride of showing it off to friends—that time when their neighbor had an accident and help was summoned in time. The story of Charlie's Golden Eagle is a never-ending tale that is typical of the deep affection given every Golden Eagle Mark III —it's a deserved love because, for a CBer, family life is a richer experience when a Golden Eagle is there!

browning® laboratories inc.
1269 UNION AVENUE
LACONIA, NEW HAMPSHIRE 03246
TELEPHONE (603) 524-5454

about the children, and then rose to leave. Seeing no one else to whom he could hand his orphan, the President placed it in the arms of the WAC MP, who thus also became a lapper for the trip. The President shook hands with Vince and thanked him for his voluntary contributions, then walked forward and off, thanking each volunteer as he passed. Vince noted that the WAC MP had seated herself across the aisle, so he slid forward one seat and settled in for the trip, thinking to himself, President Ford and I shared a seat on the bus tonight.

Vince noted that the President had entered the bus alongside and laying his charge down, took a snap through the windows of President and Mrs. Ford. The head nurse looked around for the communicator and recalled that she was using him as a lapper. She walked back to Vince and gave him the brief message previously agreed upon — "Bus #5 — all is well." Vince transmitted this to the caravan control located in the lead California Highway Patrol car, and his call was acknowledged.

The reply woke the child and she whimpered. Vince held her tightly and she settled down again. As the reports from the other cars came over the walkie-talkie, the child became interested and reached out for it. Vince held it out of her reach and talked softly to her. Over the radio came the warning "The caravan is about to start", followed in a few minutes with "the caravan has started." Vince felt the engine on bus #5 rev up, and then slowly the forward motion.

The Vietnam orphan operation had hit San Francisco with its first full volunteer alert since Japan Airlines made a short landing in the Bay several years ago. The USAF was given the responsibility of flying the orphans out of Vietnam. After stops in Thailand, Guam, Phillipines, and Hawaii, according to the type of plane, time of day, and condition of orphans, they eventually landed in the San Francisco area where they were turned over to the U.S. Army for housing, medical care, and transport. It was at this point, where a land move of some 25 to 75 miles was required, that volunteers in general and CBers in specific were used.

In the San Francisco area, the Army asked the city for help. The city alerted the Office of Emergency Services and the Red Cross, both of whom declared a full alert and made all of their equipment and personnel available. REACT CBers were active with both groups and many responded. The alert plan, as it finally developed, was for all volunteers to report to Harmon Hall in the Presidio of San Francisco, park their cars and report to a dispatcher. Buses were lined up and on each bus would ride a doctor, two nurses, a communicator and enough lappers and sitters to handle the children. Buses were kept on the alert at the San Francisco Presidio until it could be determined whether the plane would set down at Travis Air Force Base (75 miles northeast),

Continued on Page 56 . . .

CB Subscriber Service

When writing us about your subscription please attach your CB mailing label here

and mail this whole form to
CB MAGAZINE
531 N. Ann Arbor
Oklahoma City, OK 73127

CHANGE OF ADDRESS?
Please give us 6 weeks advance notice. Attach the label for your old address at left; write in new address.

ENTERING A NEW SUBSCRIPTION?
Check the box and write in your name and address below. To order gift subscriptions, attach separate sheet for each.

RENEWING?
Check the box below — and, make certain your mailing label is correct; affix at left.

A QUESTION OR COMPLAINT?
We can serve you better and faster if you will enclose your mailing label with any correspondence.

Please send me CB for 1 year for $8.00
☐ New Subscription ☐ renewal
☐ Payment enclosed ☐ Bill me later **065**

Name (please print)

Address

City State/ Province Zip/ Post Code

PAL **DOES IT AGAIN!**

No Frills = Just Guts!

SOUNDS OF **1975**

The Only "Roadrunner" That Talked When Caught!

PAL ROADRUNNER "23" (tm)

POS. - NEG. GROUND MOBILE

Sugg. List $189.95

A 23 Channel Mobile C.B. Radio, All Xtals. ANL Switch. Push to Talk Mike. Full Modulation. PA-CB Jack. Delta Tuning. W/Power Cord & Mnt. Bracket.

FCC TYPE ACCEPTED

Dual Speaker System

PAL ROADRUNNER "23" (tm)

A.C. BASE

POS. - NEG. GROUND MOBILE

Sugg. List $249.95

A 23 CH. C.B. All Xtals. Push to Talk Mike, Full Mod. ANL Switch. PA-CB Jack. Delta Tuning. W/AC-DC Cords.

FCC TYPE ACCEPTED

wanted CB Citizens Band

DEALER-DISTRIBUTORS

Send this ad with Letterhead to:

PAL ELECTRONICS CO.

Division of

Fire Communications Corporation

2962 W. WELDON

PHOENIX, ARIZONA 85017

WATCH FOR OUR NEW AM & SSB MOBILE & BASE TRANSCEIVERS

San Francisco International Airport (20 miles south).

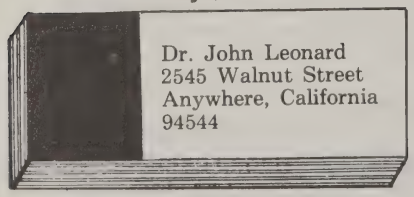
Once the destination was established, a caravan of buses would depart, the caravan to include three cars from the California Highway Patrol — one forward in control — one about midpoint — and one to follow. An OSE-CB volunteer would ride in the lead car. Communications within the caravan would be by CB and external to the caravan by the Highway Patrol's VHF equipment. The California Highway Patrol had established temporary base units at all necessary locations.

Vince's caravan had met the plane at San Francisco International Airport, and for over an hour, Vince had the opportunity to get acquainted with his charge. Without mishap, the caravan arrived at the San Francisco Presidio, and as it pulled in front of Harmon Hall, the control unit asked each bus to check its "cargo" carefully to determine if any emergencies might have developed en route. Vince, holding his little friend tightly, carried out his communications duties and reported back the doctors' requests that two of the little orphans be transferred immediately to the hospital. These were met by an ambulance.

Vince and his co-lappers left the bus in turn and went directly into Harmon Hall and along a line of mattresses on the floor set in advance for the children, and each lapper in turn handed his charge to a waiting nurse. Vince had a last minute hesitation in letting Christine go. He knew he would never see her again.

The volunteers left the hall through a far exit that led them to a volunteer coffee room, manned by the Red Cross. On one side were the sign-up tables for the bus volunteers. For the first time, Vince noticed the word in print — LAPPERS. Walking by the table for communicators, and the table for SITTERS, he walked on to the other one, the one for LAPPERS, and approached the young lady in charge of the list. I've just come off a bus as a lapper," he said, "and I'd like to try it again." CB

Super Deluxe
Gold Lined Labels
Only $2.00



500 GOLD LINED
RETURN ADDRESS LABELS

Quick and easy way to put your Name and Return address on letters, books, records, etc. Any Name, Address and Zip Code up to 4 lines beautifully printed with large Gold Strip. 500 labels **only $2.00.**

Dublin Valley Press, 11683 Betlen Drive, Dublin, CA 94566.

NOW HEAR THIS!!

by Gene C. Hughes

. . . a continuing column about monitoring and public safety two-way radio, written by the editor of POLICE CALL RADIO DIRECTORY, Inquiries and correspondence concerning this column should be addressed to P.O. Box 35002, Los Angeles, CA 90035.

Regency Scanner Owner?

We've just purchased and tested a new little gadget that *doubles* the crystal capacity, thus converting eight and ten channel units to sixteen and twenty channels, respectively. It's called the "Scan-Xpander," and operates with no apparent adverse effect on receiver performance.

The Scan-Xpander fits neatly inside the monitor and requires about five minutes to solder three connections and plug a bunch of color-coded wires into the crystal sockets. It's so simple and easy that anyone able to read plain language should have no problem.

The crystals are arranged in two rows on the PC board, and are scanned alternately. A three-way toggle switch permits selection of either or both rows, and distinctive indicator lights show which row is being scanned. The regular channel lights operate in a normal manner.

Los Angeles designers Robert Hill and Terry Staler have not, at this writing, finalized any marketing arrangements for the unit, which will sell for about $50. Interested readers can drop us a card or letter (P.O. Box 35002, Los Angeles, Ca. 90035) and we'll forward it to a marketing representative.

Nationwide Police Emergency Channel

The success of statewide police emergency frequencies, such as ISPERN in Illinois, has prompted APCO to propose 155.475 MHz as a national police emergency channel. As presented, every law enforcement vehicle in the nation would eventually have a radio on the proposed frequency. 155.475 MHz is currently restricted to state use only.

National Disaster Warning Frequencies

The national weather channels — 162.4 MHz and 162.55 MHz — have been designated as official disaster warning frequencies, a logical choice since the basic network already exists and

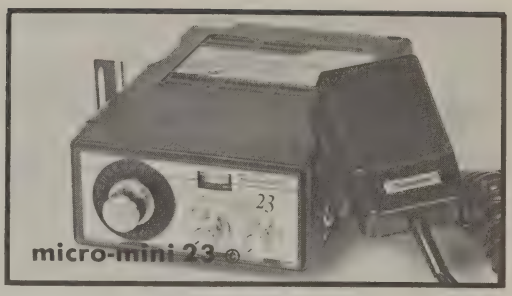
GRANADA 23-CHANNEL CB

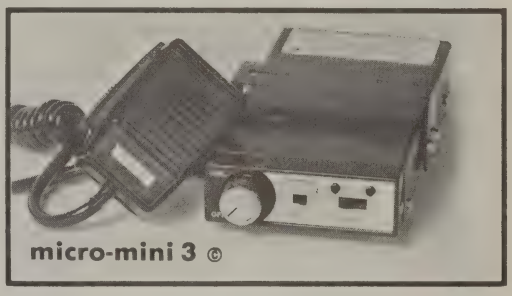
with PA, AUTO, NOISE LIMIT AND METER. LIST $169.95 — Your wholesale cost $95.50 each, 3 or more $91.50, 6 or more $87.50, 12 or more $83.50.

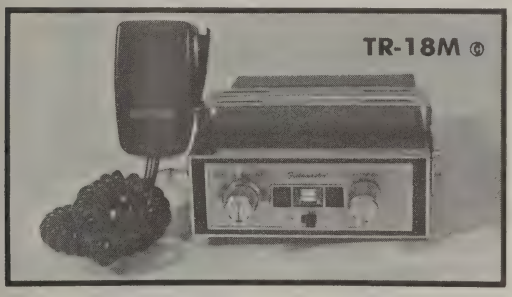
T. WHOLESALERS

2410 E. Lincolnway, Cheyenne, WY 82001

Fieldmaster®







Please send me your catalog of CB units and Components.

Name _____

Address _____

City _____ State _____ Zip ____

Company _____

MAIL NOW TO:

Above Model Numbers and Designs
Are Copyrights of Metronix
Corporation.

Dealer Inquiries Invited
Protected Territories

Fieldmaster®
RADIO CORPORATION
21212 Vanowen Street
Canoga Park, CA 91304
Telephone 213/347-6810

Now Hear This . . .

many home AM/FM clock radios are capable of tuning these frequencies. The present number of stations will be quadrupled, and a selective call system added.

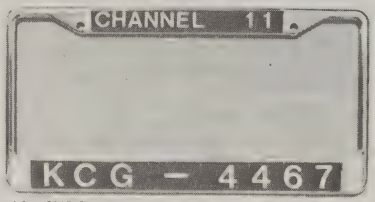
Hijack Locator . . .

A system to detect and pin point the location of a hijacked truck has been demonstrated in New York. The device operates on the principle of a transponder, allowing aircraft to home in from distances as great as thirty miles and at altitudes up to seven thousand feet. Ground vehicles would also be able to locate the unit, but at reduced range. The device is reported to be so small that it could be hidden inside an item of cargo. Hijacking has increased more rapidly than any other type of crime, with almost any merchandise a potential target. In Los Angeles, recently, a load of tennis balls was taken.

Law Suit Against Motorola . . .

Cook's Communications Corp. of Fresno, Calif., has filed an anti-trust suit against Motorola Communications & Electronics, Inc., charging such actions as "predatory, ruthless and unfair competitive practices." Cook's is asking $35,000,000 in damages. Another suit, now pending in the courts, was filed against Motorola by General Engineering, Inc., located in the San Francisco Bay area. Representatives of the latter have traveled throughout much of the country gathering testimony and affidavits.

DISPLAY YOUR
CHANNEL AND CALL-SIGN



—on this CHROMED METAL Personalized License Plate Frame. The frame has raised white acrylic letters fused to a black, blue, red or green background. Each frame can hold 2 lines of personalization with up to 12 letters (including spaces) per line. Fits all cars and plates in the U.S. and is designed to withstand the weather. Please specify below choice of top or bottom mounting holes. **Let the world know you're a CB'er.**

PERSONALIZED LICENSE PLATE FRAME 065
Send personalization data, color preference and $6.95 to:

STRAND ART,
P.O. BOX 51, YORBA LINDA, CA 92686

(Please print) COLOR _____
MOUNTING HOLE LOCATION: ☐TOP ☐BOTTOM

TOP LINE
BOTTOM

NAME _____
ADDRESS _____
CITY _____ **STATE** _____ **ZIP** _____
SENT POSTPAID-SATISFACTION GUARANTEED

System News . . .

Our monthly Washington data have been delayed, but readers have provided us with some very interesting local information.

J.B.F. of Pittsburgh, Pa., sends us some fine reports from his area: Police departments of Pitcairn, Trafford, Wall and Wilmerding now operate on 155.055 MHz; Penn Hills PD on local government channel 158.835 MHz; new Latrobe-Ligonier police net on 154.74 MHz; and, Pennsylvania Game Commission on 44.64 MHz.

Mark Brody (Sacramento, CA.) gave us some special codes used by the California Department of Forestry, as well as other fire departments in Northern California:

933 — Turn off repeater
949 — Burning permit inspection
950 — Burning permit fire
951 — Need investigator
952 — Report conditions
953 — Check smoke
954 — Off the air at scene of fire
955 — Fire under control
956 — Available at fire scene for dispatch
980 — Restrict calls to emergency traffic

A. Krepki (Chicago) details the new North Regional Telecommunications Network (NORCOM) for police in the northeast sector of Cook County, Ill. Glencoe, Kenilworth, Wilmette and Winnetka operate on 470.7875 MHz; Glenview, Golf, Morton Grove and Niles use 470.4125 MHz; Northbrook, Northfield and Wheeling on 470.7625 MHz; and, Lincolnwood and Skokie on 470.6125 MHz. All departments coordinate on 470.5875 MHz.

Recent licenses include New Berlin (Wisc.) PD, KWY261, 155.31 MHz . . . Holland (Mich.) FD, KWS468, 154.25 MHz. . . Westville (Ind.) PD, KXE810, 155.01 MHz. . . Waupaca (Wisc.) PD, KWY257, 154.86 MHz.

Last month, we outlined the New York City UHF police radio system, and have now confirmed that the four city-wide frequencies are for use by precinct detective bureaus.

The NEWCOM show, held in Las Vegas in May, and the Consumer Electronics Show in June, both promise to be the most exciting in years. If our not-so-secret information is correct, by the time you read this column we will have seen at least three new synthesized all-frequency scanners. We plan to be at both shows, and hope to give you full information in July and August issues.

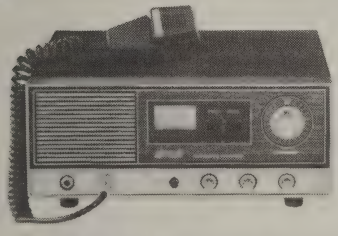
Meanwhile, don't forget to send us your local news about systems, frequencies and codes. Let us know if your name may be used, and mail it directly to P.O. Box 35002, Los Angeles, CA 90035.

MONITOR WAREHOUSE
Choose from all major brands scanner monitor radios and get free crystals. Send for free catalog to:
Bolsa Communications Center, Dept. C, 915 North Euclid, Anaheim, CA 92801

NICE TO HAVE AROUND THE HOUSE.

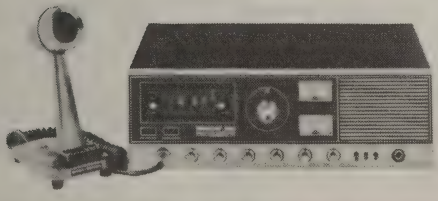
CUDDLE UP WITH A **PEARCE-SIMPSON**

PUSSYCAT 23™
$179.95*

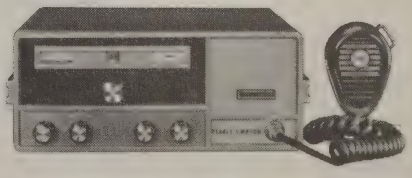


LYNX™ $224.95*

SUPER LYNX™ $284.95*



BEARCAT 23C $339.95*



GUARDIAN 23™ $379.95*

PEARCE-SIMPSON
DIVISION OF GLADDING CORP.

*Suggested list price

P.O. BOX 520800 BISCAYNE ANNEX MIAMI, FLORIDA 33152

CANADIAN DISTRIBUTOR
SCOTCOMM RADIO, INC., 4643 LEVESQUE BLVD., CHOMEDAY, LAVAL, QUEBEC, CANADA

Announcing ELECTRONIC FLEAMARKET

a new monthly publication for every CBer

THE ELECTRONIC FLEAMARKET is a complete new shopping source for anyone interested in buying, selling or swapping used electronic equipment of any kind.

It will appeal to CBers, hams, experimenters and professionals.

THE ELECTRONIC FLEAMARKET will contain thousands of classified ads on transmitters, receivers, transceivers, test equipment, amplifiers, antennas, towers, stereo equipment, etc.

It will also contain ads from retailers, wholesalers, and manufacturers offering used equipment for sale.

Classified ads will be published free of charge to all regular subscribers. Free ads will be limited exclusively to individuals. Commercial ads may be ordered at a rate of 25 cents per word, with a $3 minimum. Non-commercial ads for non-subscribers are 10 cents per word, $1 minimum. THE ELECTRONIC FLEAMARKET will be available on a paid subscription basis only at a cost of $10 per year. All issues will be mailed by first class mail on the tenth of each month. The first issue will be mailed on February 10, 1975.

SPECIAL CHARTER SUBSCRIPTION rates available to CB subscribers at a saving of 20%. Use the special sub blank below and get your first year's subscription for just $8. But don't delay. This is a charter offer and subject to cancellation without notice.

CHARTER SUBSCRIPTION $8.00

ELECTRONIC FLEAMARKET
14 Vanderventer Avenue
Port Washington, New York 11050

Please enroll me as a charter subscriber to
"ELECTRONIC FLEAMARKET" at the rate of **$8.00**

Name _____

Address _____

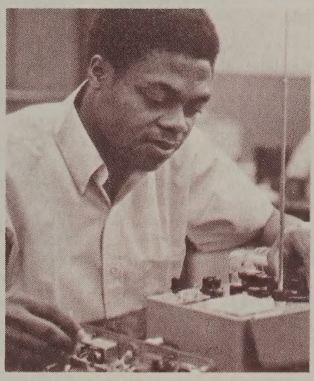
City _____ State _____ Zip _____

TURN SPARE TIME INTO MONEY!

Start your own business, or prepare for a career, with this self-study

CB RADIO REPAIR COURSE

Even if you don't know anything about electronics, you can learn how to repair CB radios if you study this course and can master the use of hand tools. Lessons are mailed to you weekly, and they're easy to study because they employ the step-by-step PROGRAMMED INSTRUCTION TECHNIQUE!
Before you start learning about CB radio circuits, you learn about the fundamentals of electronics as explained in simple, easy to understand language.



To aid you in getting your Second Class Radio-Telephone Operator license, you will be given a FREE license examination study manual. No license is required if your work is to be checked by an appropriately licensed operator.

You can learn to TUNE UP RECEIVERS AND TRANSMITTERS-USE AN SWR METER-MEASURE FREQUENCIES-MEASURE MODULATION-INSTALL AND CHECK MOBILE UNITS AND BASE STATIONS-INSTALL ANTENNAS-TEST TUBES & TRANSISTORS-ISOLATE RADIO TROUBLES—and, perform other service functions!

After satisfactory completion of the course, you should be able to earn extra money (going rate is $16. per hour!) — as a part time radio technician working out of your own home; set up your own full-time CB radio repair business — or, work for a dealer or manufacturer!
You can buy the course on a cash-in-advance basis, on a low monthly payment basis, or through a national credit card firm. (No refunds will be made if you decide not to complete the course.)

**Complete and mail the coupon below, or — send postcard marked "CB COURSE" to:
CB RADIO REPAIR COURSE, INC.,
531 North Ann Arbor, Oklahoma City, OK 73127
NO SALESMAN WILL CALL**

CB RADIO REPAIR COURSE, INC.
531 North Ann Arbor, Oklahoma City, OK 73127 065

Yes, please send information about CB RADIO REPAIR COURSE!

CB Call Sign_____ Telephone____/_____

Name_____

Address_____

City_____ State_____ Zip_____

Classified Ads . . .

Browning **'Mark III SSB/AM'** in-board **Slider LSB/AM,** easy insert module, bright metal $19.95 each. 27 MHZ 'extra crystals' very hi-tolerance $6.95 each. Receiver **Dual-Band Oscillator** easy insert module; work continuously 26.955 thru 27.530 MHz, $23.95 each. All prices postpaid. **Ideal Enterprises, Inc.,** Wessington, S.D. 57381. 605/458-2244.

HAP 'the-radio-man' warehouses **BROWNING-JOHNSON-PACE-PEARCE SIMPSON-TRAM-ROYCE.** Bottom dollar prices. Send formal business letterhead-tax number with $5.00 good faith deposit (may be traded out), for price book. **Ideal Enterprises, Inc.,** Wessington, S.D. 57381.

Tight tolerance crystals for police and fire monitor receivers. Complete stock of monitor crystals made to the exact manufacturers specs for your set. All crystals guaranteed. List the make and model of your set and the frequency to be received, include $4.95 per crystal in check or money order. We will rush your crystals prepaid. **Marlin Industries,** P.O. Box 163, Somerville, NJ 08876.

CB Dealers—Send letterhead for below-wholesale prices on Tram, Pearce-Simpson, Robyn, Kris, Gold Line, A/S, D&A, C.B. Crystals. **Medlin Radio Sales,** Rt. 7, Cookeville, TN 38501.

Custom QSL's designed from your rough draft or sketch. Specializing in black and white cards. Inquiries welcome. **ART** $12.50, **PRINTING** $14.00 per thousand, prepaid only. **PAUL NEUDECK, Rt. 1, BOX 92D, ATHOL, IDAHO 83801.**

QSL cards custom designed just for **you.** Printed in full color. For info and samples, send 50c to **NOB HILL PRINTERS,** P.O. Box 4131, Albuquerque, NM-87106.

NOW FROM THE LARGEST WAREHOUSE IN THE EAST. Same day delivery from on-the-shelf stock. All major brands. 24 hour service. Send for dealer catalog and free gift offer. Send letterhead to: PALOMAR EAST, LTD., Palomar Plaza, P.O. Box 148, Congers, NY 10920. 914-268-9238.

Construction Plans for CB hobbyists — Car CB converter — License free transmitter — mike booster — Shirtpocket CB receiver — car burglar alarm. Complete plans, including instructions, printed circuit board patterns, schematic, parts layout, and parts list. $2.49 each. All 5 for $6.64. Free details **Patronics, Inc.,** P.O. Box 314, Shiremanstown, PA 17011.

Swiss Embroidered Emblems, your design, low minimum. Identify your organization. **Patches,** Dept. 18F, Littleton, NH 03561.

CB Radios, Scanners and Accessories: All major brands. Monitor crystals for VHF/UHF frequencies $3.95. Write or call for price list. **Path Communications Center,** 575 Montgomery Pike, South Williamsport, PA 17701, 717/322-7119.

Wear CB jewelry: key chains, tie clasps, cuff links, earrings, tie tacks (specify silver or gold plated). Storm King lighters and money clip (silver only). All items gift boxed. All items include microphone emblems deep-cut engraved with call letters, unit numbers or CB'er. Max 7 letters. Once you see these microphones, you will be happy with the quality and workmanship that has gone into producing same. Send $6.25 per item to **Plastic Design,** 4233 Connecticut, St. Louis, MO 63116.

Dealers wanted—Washington, Oregon, Idaho, Northern California. For Pearce-Simpson CB radios, Hustler antennas and Royal Monarch products. Send letterhead to **Puget Sound R/C Electronics,** 4230 Hoff Rd., Bellingham, WA 98225.

Dealers wanted—CB, Marine, VHF/UHF, Land Mobile. Call or write for free price list. **Radio City,** 620 N.A.S. Dr., Corpus Christi, TX 78418. 512-937-3958.

Scanning monitors, citizen band radios, antennas and accessories. Major brands below list. Monitor crystals $3.95. Write **Radios and Things,** 2057 Quincy, Racine, WI 53403.

MONITOR CRYSTALS for all popular monitor receivers. Speedy delivery. Include make and model number of receiver and STATION FREQUENCY, $5.95 each. Certified check or money order. No COD's. **Rolin Distributors,** P.O. Box 436, Dunellen, NJ 08812.

CB/HAM equipment. AM & SSB. **NATIONWIDE SALES DISCOUNT OUTLET**—SBE CONSOLE $399.00; PANTHER, $289.00; CHEETAH $339.00; COBRA 135 $379.00; many more. **YAESU'S** available! Listing 25c. **SIDEBAND SPECIALTY,** Box 573, Oak Harbor, WA 98277.

SBE DISTRIBUTOR—CB, COMM. LOW MAIL ORDER PRICES. WHOLESALE TO DEALERS. SBS(SBE), BOX 364, OAKHURST, CA 93644.

VHF/UHF monitors, crystals, CB radios, electronic ignitions. (CDI). Lowest pricing. **Southland,** Box 3591-G, Baytown, TX 77520.

Attention Dealers. For best prices on major lines. **Stan's Two-way,** 407 S. Parker, Olathe, KS 66061. 913/782-0269.

Dealers: New miniature 23 ch. CB radio. Has meter. Rugged. One-year warranty. Nothing else like it. Send stamped envelope for details, prices. **Stribling Sales Co.,** 6314 Wilshire, Oklahoma City, OK 73132.

DEALERS WANTED: Profitable spare time business. Best wholesale prices. CB radio—antennas—monitors—accessories. Central U.S.A. for best shipping. Send card or letterhead for price sheet. **Sunridge Electronics, Inc.,** Rt. 2, Box 375-C, Hillsboro, MO 63050.

INVENTORY CLEARANCE: Antenna Specialists: MR-52, $9.95, M-130, $9.95; ASPR200, $34.95, M-131, $10.95, MR-58, $10.35, M-118, $18.00, ASPA268, $15.95, ASPS577, $19.95, ASPB448, $16.95, M-186, $10.80, M-217, $20.95, MON-4, $6.95, ASPA10, $3.95, M-104, $5.95, ASP619, $15.95, M-254 VSWR Bridge, $18.95. M-253 Antenna Matcher, $14.95, M-250 Antenna Switch, $7.95, M-256 Console Rack, $7.95, M-44, $1.95, M-126, $2.95, AV-46, $9.95, AV-570, $19.95, AV-12L, $15.95. Monitor crystals, $4.95 each. CB crystals, $4.95 pair. Limited quantities. Order any Pearce-Simpson CB radio this month—save 20 percent and receive a free year's subscription to CB Magazine. **TALED ELECTRONICS,** Pine Tree Hill Road, Newtown, CT 06470.

Two plastic holders frame and display 40 QSL's for $1.00, or 7 holders enhance 140 cards for $3.00—from your dealer or prepaid direct: **TEPABCO,** Box 198B, Gallatin, TN 37066.

Alabama Dealers—We are warehouse distributors for **Pace** two way radios. **Electra** Bearcat scanners. **M-Tron** monitor crystals. All retail sales referred to our dealers. Same day shipping from on the shelf stock. For fast personal service—new dealers ask for "Sandee." **Tucker Brothers,** Box 177, Cropwell, AL 35054. Phone 205-525-5341.

Revolving magnetic teardrop light for slant windshields, $34.95 postpaid, in red, amber or blue. 24-page Emergency Vehicle Equipment catalog, $1.00 ($2.00 refundable with order). **Vehicle Systems,** Box 101, Mastic Beach, NY 11951.

4 HANDY TIMESAVERS: "CB-10 Code," "Official Police Code," "Q-Signals Code," "Phonetic pronunciation Table," all for $1.50 (Plasticized $2.25, 4 for $6.00) QSL Card Assortment $1.00. Warren KES 2632, Box 21611, Concord, CA 94521.

150 two-color comic QSL cards printed with your name, address and call letters, only $2.50 plus 75c postage, check, cash or money order. Pack includes more than 20 different styles. **Albert Wilson,** Rt. 9, Murfreesboro, TN 37130.

THE LARGEST CB DISTRIBUTOR IN THE EAST OFFERS ALL QUALIFIED DEALERS THE LOWEST PRICES, BEST SERVICE, BEST SELECTION, BEST FREIGHT POLICY AND DELIVERY ON OVER 50 CB MANUFACTURER LINES OF EQUIPMENT. MAIL LETTERHEAD OR BUSINESS CARD TO CENTENNIAL COMMUNICATIONS, 644 CENTRAL AVE., SCARSDALE, NY 10583. 914/725-3800.

Final transistors for all CB sets. Extremely rugged, will withstand highest VSWR. $4.00 plus 25c shipping. Write for quantity discount. **Downstate Communications, Inc.,** 715 Illinois Ave., Carbondale, IL 62901.

When you think of Regency Scanners: Think of Four Wheeler Communications, 10 New Scotland Ave., Albany, NY 12208. 518/462-0202.

FOR THE BEST IN CB AND AMATEUR GEAR, Tempo One, Siltronix 1011B, Skipper 73, and Yaesu. For immediate delivery. Call or write: PALOMAR EAST, LTD., Palomar Plaza, P.O. Box 148, Congers, NY 10920. 914-268-9258.

SBE®

for better communications

accessories

NOISE CANCELLING MOBILE MICROPHONE SBE-NC-100

Special SBE acoustic design uses noise input from sound port on top of unit, provides modified cardioid sound pickup pattern. 10db or more noise rejection to front, 20db or greater to either side. Avoid needless repeats by reducing extraneous noise pickup that is ever-present in cars, trucks, other vehicles driving on highways. Operates with all SBE units having 4 conductor male microphone input. High quality dynamic microphone unit, coil cord.

MOBILE MICROPHONE WITH AMPLIFIER SBE-M-100X

The SBE M-100X hand-held dynamic microphone has built-in solid-state amplifier, offers fixed station operating convenience while in motion! Small—convenient for hand holding, has rear control with calibrated thumb wheel, allows speech gain to be set to optimum for a particular voice under prevailing mobile noise conditions, Powered by internal pen light cells, is capable of more than 30db gain. 4 cond. plug/coil cord.

CAR SPEAKER WITH AMPLIFIER SBE-1SP/AMP

Another SBE innovation changes meek, muffled audio channels into roaring lions! Speaker has built-in solid-state amplifier that plugs into set auxiliary speaker outlet, **gives 6 big watts of audio!** Operates from car battery, positive or negative grounds. Very low standby drain—easily driven by audio output from most CB transceivers.

AUXILIARY CAR SPEAKER SBE-1SP

Same as above except no amplifier. Can mount on sun shield or inside rear shelf of vehicle. Allows sound to be focused toward operator. Tiltable mounting bracket—6 foot connecting cable. 4 ohm impedance.

BASE STATION MICROPHONE WITH BUILT-IN AMPLIFIER SBE-100X

Distinctive—functional, has built-in amplifier that provides up to 40db adjustable gain to match individual voice levels and characteristics. Quality dynamic unit w/excellent frequency response. P-T-T switch with lock-in tab offers desirable finger-tip control. Here is the ideal answer for SSB or AM base station use. 4 cond. plug/coil cord.

BASE STATION MICROPHONE SBE-200X

Same as 100X except has no built-in amplifier.

INTERNATIONAL OFFICES:

LINEAR SYSTEMS, S. A. 5 Rue des Alpes, P. O. Box 163, 1211 Geneva 1, Switzerland

E. S. GOULD MARKETING CO., LTD. 109 Montee de Liesse, Montreal, Quebec, Canada H4T 1S9

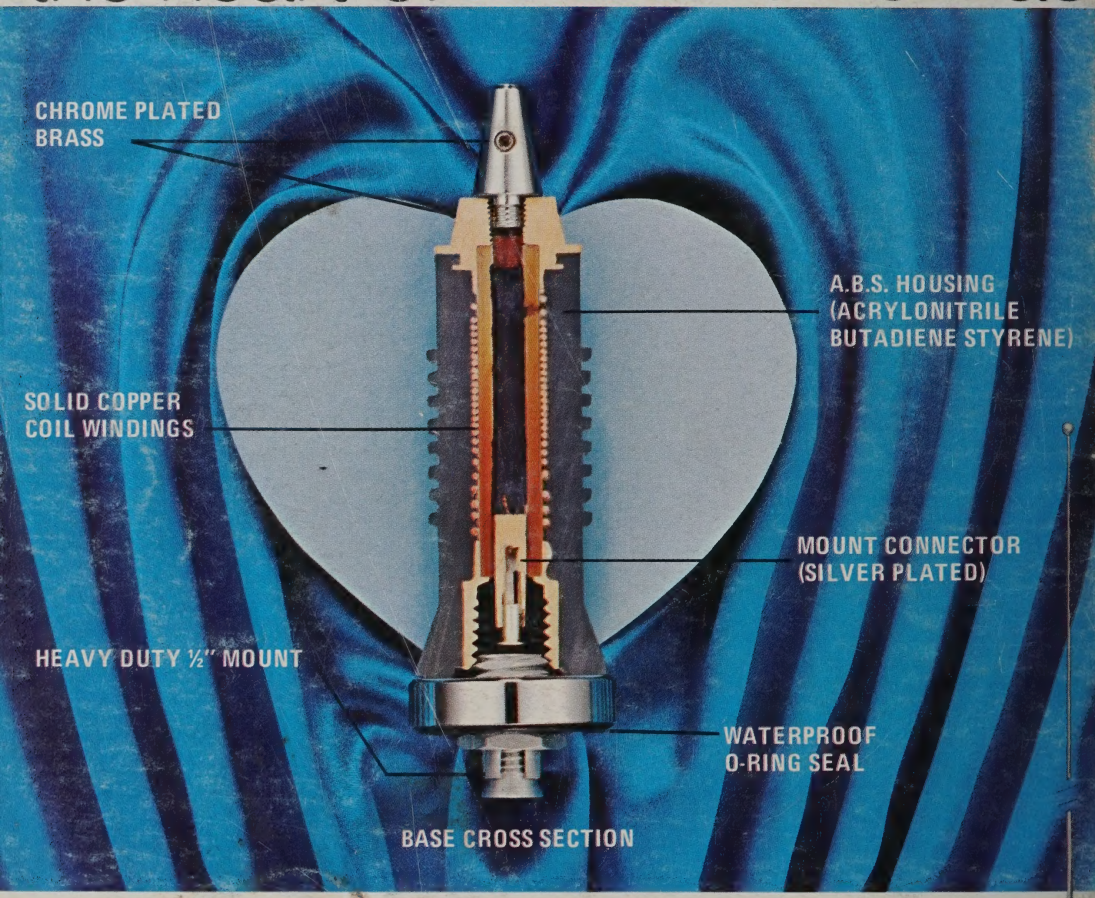
SBE®

LINEAR SYSTEMS, INC.

220 Airport Blvd. Watsonville, CA 95076

Quality

the heart of avanti antennas



RACER 27 MOBILE ANTENNA SYSTEM AV-327

Avanti high performance antennas are engineered for high reliability, and the elimination of erratic communications.

A.B.S. (ACRYLONITRILE-BUTADIENE-STYRENE) — A tough material used to form the base of the antenna and cover the coil. Since it is not affected by temperature, sun or humidity, and has a low thermal expansion rate, it reduces the liability of coil variations.

HERMI-COIL (HERMETICALLY SEALED COIL) — A special molding process provides a weather-proof coil environment. Helps maintain the characteristic antenna impedance, especially in damp or salt water atmospheres. Hermi-Coil also helps eliminate internal surface leakage.

CONDUCTOR BRAID — Look inside the spring on our mobile, you'll find a tin plated copper braid directly connecting to the top and bottom. This assures a positive, constant value connection during spring flexure.

HEAVY DUTY BASE — ½" hole mounting provides for greater metal purchase while wide base gives greater support against lateral thrust by tree branches and other obstacles.

SPECIFICATIONS

Electrical — ¼ Wave Length Unity Gain 27 MHz, V.S.W.R. — 1.3:1 or Better, Impedence — 50-52 ohms, Coil — Shunt Fed Hermicoil, Includes 17' RG58/u.

Mechanical — Radiator — 17-7PH Stainless Steel, Spring — Stainless Steel, Whip Length — Max. 46", Metallic Base Material — Chrome Plated Brass, Base Material — A.B.S.

avanti

RESEARCH AND DEVELOPMENT, INC. 340 STEWART AVE., ADDISON, IL. 60101